

**Datasheet for 600-401-J31****SDPR Antibody****Overview**

|                      |                                           |
|----------------------|-------------------------------------------|
| <b>Description:</b>  | Anti-SDPR (RABBIT) Antibody - 600-401-J31 |
| <b>Item No.:</b>     | 600-401-J31                               |
| <b>Size:</b>         | 100 µg                                    |
| <b>Applications:</b> | IHC                                       |
| <b>Reactivity:</b>   | Human                                     |
| <b>Host Species:</b> | Rabbit                                    |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | PTRF (polymerase I and transcript release factor) was first identified as a TTF-I and RNA polymerase I (RNA Pol I) interacting protein that functions in the termination of RNA polymerase I transcription. PTRF has also been described as a protein that localizes to the plasma membrane and caveolae of adipocytes and whose localization is under the control of insulin. In this context, PTRF has been observed to associate with a lipase and have an extranuclear role in the regulation of lipolysis. PTRF is also known as FKSG13. Anti-PTRF antibodies are ideal for researchers interested in Diabetes Research, Lipid and Metabolism research. |
| <b>Synonyms:</b>     | rabbit anti-SDPR antibody, rabbit anti-Cavin2 antibody, Caveolae-associated protein 2, cavin-2, Phosphatidylserine-binding protein, PS-p68, serum deprivation-response protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**Target Details**

|                        |                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>      | CAVIN2                                                                                                                                                                                 |
| <b>Reactivity:</b>     | Human                                                                                                                                                                                  |
| <b>Immunogen Type:</b> | Conjugated Peptide                                                                                                                                                                     |
| <b>Immunogen:</b>      | SDPR affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the C-terminal region of human SDPR. |

**Purity/Specificity:** Anti-SDPR was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific towards Cavin 2 SDR. A BLAST analysis was used to suggest cross-reactivity with Human based on 100% sequence homology. Cross-reactivity with SDPR from other sources has not been determined.

**Relevant Links:**

- [UniProtKB - O95810](#)
- [NCBI - NP\\_004648.1](#)
- [GeneID - 8436](#)

## Application Details

|                             |                                                                                                                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | IHC                                                                                                                                                                                                                                                          |
| <b>Application Note:</b>    | Anti-SDPR antibody is tested in ELISA and Immunostaining and useful for Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~40.5 kDa corresponding to the appropriate cell lysate or extract. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                              |
| <b>ELISA:</b>               | 1:20,000 - 1:60,000                                                                                                                                                                                                                                          |
| <b>IF:</b>                  | 1:100-1:500                                                                                                                                                                                                                                                  |
| <b>IHC:</b>                 | 1:100-1:500                                                                                                                                                                                                                                                  |
| <b>WB:</b>                  | 1 µg/ml                                                                                                                                                                                                                                                      |

## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                  |
| <b>Concentration:</b>  | 1.02 mg/ml by UV absorbance at 280 nm                      |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | None                                                       |
| <b>Stabilizer:</b>     | 50% (v/v) Glycerol                                         |

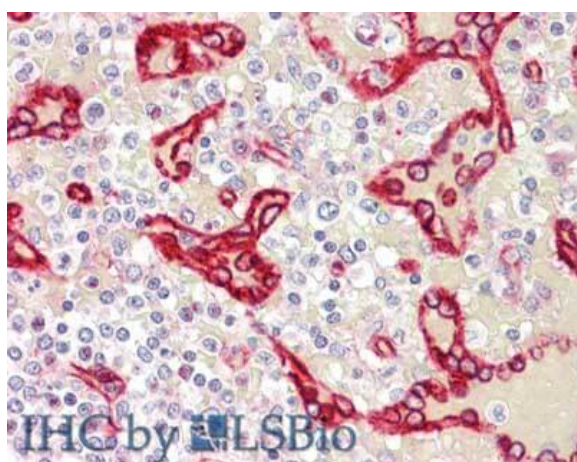
## Shipping & Handling

**Shipping Condition:** Dry Ice

**Storage Condition:** Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Expiration:** Expiration date is six (6) months from date of receipt.

## Images



### Immunohistochemistry

Immunohistochemistry of Rabbit anti-SDR/SDPR antibody.  
Tissue: Spleen. Fixation: formalin fixed paraffin embedded.  
Antigen retrieval: not required. Primary antibody:  
SDR/SDPR antibody at 5 µg/mL for 1 h at RT. Secondary  
antibody: Peroxidase rabbit secondary antibody at 1:10,000  
for 45 min at RT. Staining: SDR/SDPR as precipitated red  
signal with hematoxylin purple nuclear counterstain.

## References

- Wisztorski M et al. Fallopian tube lesions as potential precursors of early ovarian cancer: a comprehensive proteomic analysis. *Cell Death Dis.* (2023)

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.