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Datasheet for 600-401-J31

SDPR Antibody

Overview

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

Product Details

Background:	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.
Synonyms:	rabbit anti-SDPR antibody, rabbit anti-Cavin2 antibody, Caveolae-associated protein 2, cavin-2, Phosphatidylserine-binding protein, PS-p68, serum deprivation-response protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CAVIN2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	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

Tested Applications:	IHC
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:60,000
IF:	1:100-1:500
IHC:	1:100-1:500
WB:	1 µg/ml

Formulation

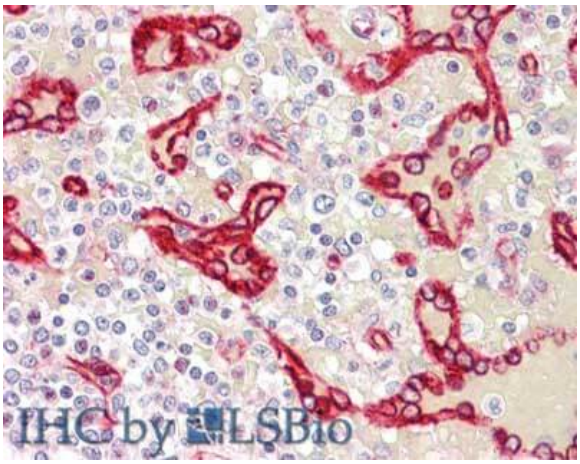
Physical State:	Liquid (sterile filtered)
Concentration:	1.02 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	50% (v/v) Glycerol

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)

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