Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-J30

PTRF Antibody

Overview

Description:	Anti-PTRF (RABBIT) Antibody - 600-401-J30
Item No.:	600-401-J30
Size:	100 µg
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-Cavin1 antibody, rabbit anti-PTRF antibody, CAVIN 1, cavin-1, Cavin1, polymerase I and transcript release factor, Caveolae-associated protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CAVIN1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	PTRF 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 PTRF.

Purity/Specificity:	Anti-PTRF was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific towards Cavin 1 PTRF. A BLAST analysis was used to suggest cross-reactivity with Human based on 100% sequence homology. Cross-reactivity with PTRF (polymerase I and transcript release factor) from other sources has not been determined.
Relevant Links:	• UniProtKB - Q6NZI2 • NCBI - NP_036364.2 • GeneID - 284119

Application Details

Application Note:	Anti-PTRF antibody is useful for ELISA, Immunostaining, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Protein Molecular weight: 60 kDa. 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:	1.06 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.

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.