

## Product datasheet for **TA320160**

### CAVIN1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Rabbit polyclonal PTRF antibody was raised against a 19 amino acid peptide near the carboxy terminus of human PTRF.
Formulation:	PTRF Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	PTRF Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43 kDa
Gene Name:	polymerase I and transcript release factor
Database Link:	<a href="#">NP_036364</a> <a href="#">Entrez Gene 284119 Human</a> <a href="#">Q6NZI2</a>



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**Background:**

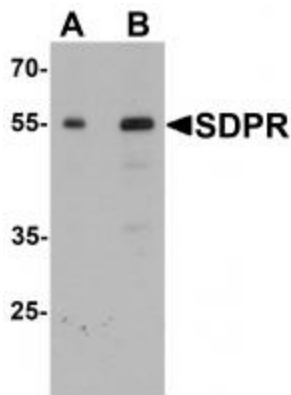
PTRF Antibody: The polymerase I and transcript release factor (PTRF) enables the dissociation of paused ternary polymerase I transcription complexes from the 3' end of pre-rRNA transcripts, regulating rRNA transcription by promoting the dissociation of transcription complexes and the re-initiation of polymerase I on nascent rRNA transcripts. PTRF also localizes to caveolae at the plasma membrane and is thought to play a critical role in the formation of caveolae and the stabilization of caveolins, translocating from caveolae to the cytoplasm after insulin stimulation. PTRF is also thought to modify lipid metabolism and insulin-regulated gene expression. Mutations in this gene result in a disorder characterized by generalized lipodystrophy and muscular dystrophy.

**Synonyms:**

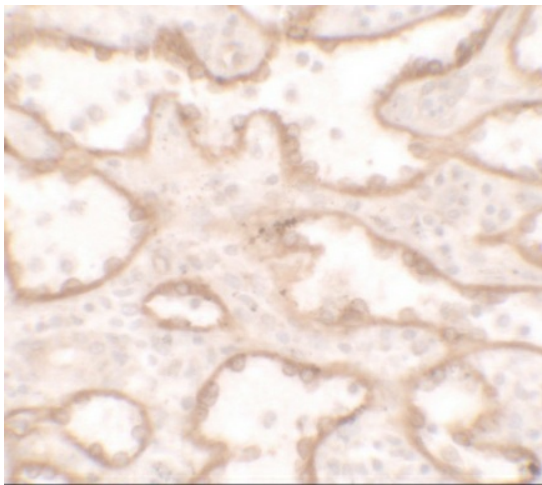
CAVIN; cavin-1; CAVIN1; CGL4; FKSG13

**Protein Families:**

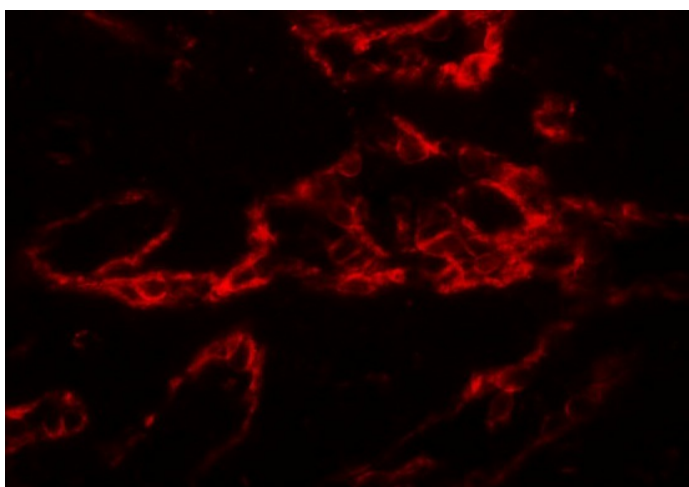
Transcription Factors

**Product images:**

Western blot analysis of PTRF in human spleen tissue lysate with PTRF antibody at (A) 0.5 and (B) 1 ug/mL



Immunohistochemistry of PTRF in spleen tissue with PTRF antibody at 5 ug/mL.



Immunofluorescence of PTRF in human spleen tissue with PTRF antibody at 20 ug/mL.