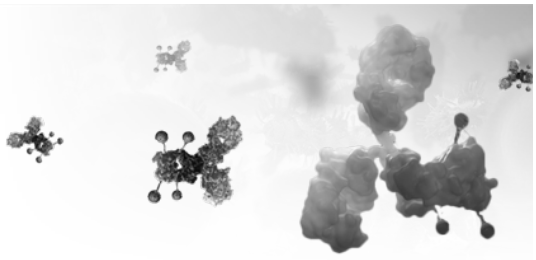

Anti-PTRF (aa 233-321) polyclonal antibody (DPAB-DC1429)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that enables the dissociation of paused ternary polymerase I transcription complexes from the 3 end of pre-rRNA transcripts. This protein regulates rRNA transcription by promoting the dissociation of transcription complexes and the reinitiation of polymerase I on nascent rRNA transcripts. This protein 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. This protein translocates from caveolae to the cytoplasm after insulin stimulation. Caveolae contain truncated forms of this protein and may be the site of phosphorylation-dependent proteolysis. This protein 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.
Immunogen	PTRF (NP_036364, 233 a.a. ~ 321 a.a) partial recombinant protein with GST tag. The sequence is KKAFSKEKMEKTKVRTRENLEKTRLKTKENLEKTRHTLEKRMNKLGTRLVPAERREKLKTSRDKLRKSFTPDHVVYARSKTAVYKVPPF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PTRF polymerase I and transcript release factor [Homo sapiens (human)]
Official Symbol	PTRF
Synonyms	PTRF; polymerase I and transcript release factor; CGL4; CAVIN; CAVIN1; FKSG13; cavin-1; TTF-I interacting peptide 12; RNA polymerase I and transcript release factor;
Entrez Gene ID	284119
Protein Refseq	NP_036364
UniProt ID	Q6NZI2
Chromosome Location	17q21.2
Pathway	Gene Expression; RNA Polymerase I Transcription Termination;
Function	poly(A) RNA binding; protein binding; rRNA primary transcript binding;

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