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Rabbit Anti-PMFBP1 antibody

SL12288R

Product Name:	PMFBP1
Chinese Name:	多胺调制因子Binding protein1抗体
Alias:	PMF 1 binding protein; PMF-1-binding protein; PMFBP_HUMAN; Pmfbp1; Polyamine modulated factor 1 binding protein 1; Polyamine-modulated factor 1-binding protein 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	119kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human PMFBP1:201-330/1022
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	PMF-1 is a 205 amino acid protein involved in kinetochore formation. Localized to the nucleus, PMF-1 contains a coiled-coil domain which interacts with the leucine-zipper domain of Nrf2. This interaction regulates the transcription of SSAT, a regulatory enzyme for polyamine catabolism. PMF-1 is also a component of the MIS12 complex, which is required for kinetochore formation and chromosomal alignment and

segregation. PMF-1 is expressed at highest levels in skeletal muscle and heart, with moderate expression in liver and kidney. PMFBP1 (Polyamine-modulated factor 1-binding protein 1) is a 1022 amino acid protein that binds PMF-1 and may be involved in general organization of the cytoskeleton. Due to evidence that PMFBP1 may play a role in sperm tail morphology, it may therefore affect fertility. There are three isoforms of PMFBP1 that are produced as a result of alternative splicing events.

Function:
May play a role in sperm morphology especially the sperm tail and consequently affect fertility. May also be involved in the general organization of cellular cytoskeleton.Target information above from: UniProt accession Q8TBY8 The UniProt Consortium The Universal Protein Resource (UniProt) in 2010 Nucleic Acids Res. 38:D142-D148 (2010).

SWISS:
Q8TBY8

Gene ID:
83449

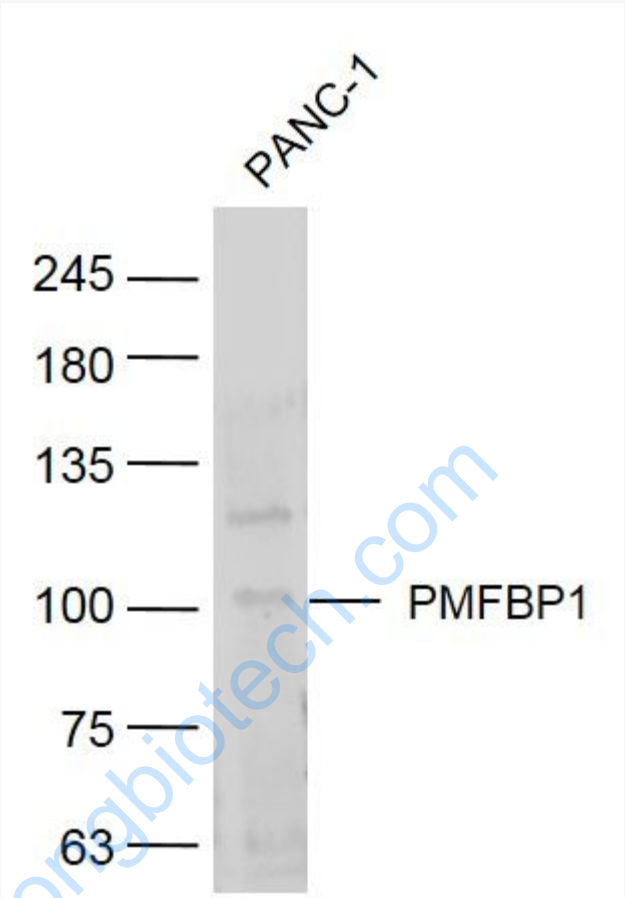
Database links:

Entrez Gene: 83449Human

SwissProt: Q8TBY8Human

Unigene: 714939Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Sample: PANC-1(Human) Cell Lysate at 40 ug Primary: Anti-PMFBP1 (SL12288R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 119 kD Observed band size:119kD