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PBLD Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17476b

Product Information

Application	WB, E
Primary Accession	P30039
Other Accession	NP_071412.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37506
Calculated MW	31785
Antigen Region	242-269

Additional Information

Gene ID	64081
Other Names	Phenazine biosynthesis-like domain-containing protein, 51--, MAWD-binding protein, MAWDBP, Unknown protein 32 from 2D-page of liver tissue, PBLD, MAWBP
Target/Specificity	This PBLD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 242-269 amino acids from the C-terminal region of human PBLD.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PBLD Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PBLD (HGNC:23301)
Synonyms	MAWBP

Function

Functions as a positive regulator of the antiviral immune response by modulating innate immunity and viral replication by enhancing type I interferon (IFN-I) response (PubMed:39362857, PubMed:39589880, PubMed:39779683). PBLD enhances IFN-I signaling via multiple pathways (PubMed:39362857, PubMed:39589880, PubMed:39779683). Promotes IRF3-mediated IFN-I production and apoptosis, thereby inhibiting viral replication (PubMed:39362857). Up-regulates IFN-I response by activating the NF-kappaB signaling pathway, potentially through inhibition of TRIM21-mediated degradation of phosphorylated IKKbeta, thereby sustaining NF-kappaB activation to counteract viral infection (PubMed:39779683). Additionally, promotes the p53-USP4-MAVS signaling axis by stabilizing MAVS through USP4-mediated deubiquitination, thereby enhancing the IFN-I response against RNA virus infection (PubMed:39589880). Acts as a tumor suppressor, regulating development of various cancers (PubMed:23687415, PubMed:26594798).

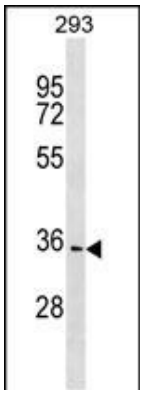
Background

Belongs to the phzF family.

References

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Ramdas, W.D., et al. PLoS Genet. 6 (6), E1000978 (2010) :
Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)
Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)
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Images



PBLD Antibody (C-term) (Cat. #AP17476b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the PBLD antibody detected the PBLD protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.