

100 μg

Datasheet for ABIN306667

anti-ACP1 antibody



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Quantity:

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ACP1		
Human, Rat, Mouse, Cow		
Sheep		
Polyclonal		
This ACP1 antibody is un-conjugated		
Western Blotting (WB)		
IgG		
ACP1		
LMWPTP (HCPTP) (ACP1 Products)		
Low molecular weight protein tyrosine phosphtases, including the human red cell phosphatase,		
HCPTP, are widely expressed cytosolic proteins of approximately 18kDa that exist in distinct		
isoforms and are highly selective for phosphotyrosine over phosphoserine or phosphotyrosine.		
The HCPTP-A and HCPTP-B proteins expressed in human red cells and placenta are fast and		
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slow forms of red cell acid phosphatase5. Like other tyrosine phosphatases, HCPTP is sensitive		
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Target Details

residue in the typical tyrosine phosphatase sequence context, CXXXXXR. Biological actions and cellular substrates have not been fully elucidated. It is expressed in a wide range of cell types, and structural homologues are expressed in yeast. A catalytically inactive LMW-PTP functions to promote cell division and binds to tyrosine-phosphorylated PDGF receptors1. The HCPTPA isoform interacts with receptor tyrosine kinases, EphB1 and VEGFR2 (flk-1)2,4. Its overexpression inhibits VEGF-induced endothelial proliferation and migration, and its recruitment to EphB1 complexes is crucial to downstream signaling between EphB1 and integrins that mediate cell-matrix attachment3. Synonyms: ImwPTP, sheep anti human low molecular weight protein tyrosine phosphatase, Human Red Cell Protein Tyrosine phosphatase.

UniProt:

P24666

Application Details

Application Notes:	Antbibody can be used for Western blotting and immunoprecipitation (1-10ug/ml.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/ml
Storage:	-20 °C