PTER antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14622

Product Information

Application	WB
Primary Accession	Q96BW5
Other Accession	NM_030664, NP_109589
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39018

Additional Information

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Gene ID	9317
Alias Symbol	RPR-1
Other Names	Phosphotriesterase-related protein, 3.1.-.-, Parathion hydrolase-related protein, hPHRP, PTER
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PTER antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PTER antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PTER {ECO:0000303|PubMed:39112712, ECO:0000312|HGNC:HGNC:9590}
Function	N-acetyltaurine hydrolase that regulates feeding by catalyzing the hydrolysis of N-acetyltaurine into taurine and acetate (PubMed:39112712). N-acetyltaurine has anorexigenic and anti-obesity effects that are dependent on GFRAL receptor and GDF15 (By similarity). PTER also acts on other N-acetyl amino acids (Met, Ile, Leu, Val) and N-propionyltaurine, but at lower rates (By similarity).
Cellular Location	Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q60866}

References

Li Y.,et al.Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Deloukas P.,et al.Nature 429:375-381(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Images
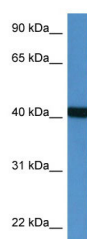
WB Suggested Anti-PTER Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Heart