

For Research Use Only

PTPRK Polyclonal antibody

Catalog Number: 28151-1-AP



Basic Information

Catalog Number: 28151-1-AP	GenBank Accession Number: BC140775	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 5796	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q15262	
Isotype: IgG	Full Name: protein tyrosine phosphatase, receptor type, K	
Immunogen Catalog Number: AG27765	Calculated MW: 1439 aa, 162 kDa	
	Observed MW: 100-120 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse spleen tissue, rat spleen tissue
Species Specificity: Human, mouse, rat	

Background Information

PTPRK (Protein Tyrosine Phosphatase Receptor Type Kappa), a member of the receptor-type protein tyrosine phosphatase family, is a transmembrane protein that regulates cell-cell contact. PTPRK is a 210 kDa precursor protein and converted by furin to a mature heterodimeric protein composed of a non-covalently attached amino-terminal extracellular subunit (E-subunit, 120 kDa) and carboxyl-terminal transmembrane subunit (P-subunit, 95 kDa) (PMID: 24882578, 16648485). Loss of PTPRK activity has been observed in pancreatic cancer, primary CNS lymphoma and melanoma, and is associated with poor survival of cancer patients, which suggest that PTPRK is a potential tumor suppressor (PMID: 23696788).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

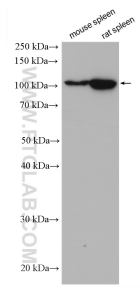
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28151-1-AP (PTPRK antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.