

For Research Use Only

Multi-rAb® TPK1 Multi-Recombinant antibody

Catalog Number: RMX00090



Basic Information

Catalog Number: RMX00090	GenBank Accession Number: BC014552	Purification Method: N/A
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 27010	Recommended Dilutions: WB: 1:5000-1:50000
Source: Rabbit	UNIPROT ID: Q9H3S4	
Isotype: IgG	Full Name: thiamin pyrophosphokinase 1	
	Calculated MW: 28 kDa	
	Observed MW: 28 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, mouse brain tissue, mouse kidney tissue, rat kidney tissue
Species Specificity: human, mouse, rat	

Background Information

TPK1(Thiamin pyrophosphokinase 1) is also named as PP20(placental protein 20) and belongs to the thiamine pyrophosphokinase family. It is a cellular enzyme involved in the regulation of thiamine metabolism and catalyzes the conversion of thiamine, a form of vitamin B1, to thiamine pyrophosphate (TDP, or TPP). There is no difference in TPK1 expression in cultured fibroblasts from normal subjects or from patients with thiamine-responsive megaloblastic anemia(PMID:11342111). It can exist as a dimer(PMID:21552434). Defects in TPK1 are the cause of thiamine metabolism dysfunction syndrome type 5, episodic encephalopathy type (THMD5).

Storage

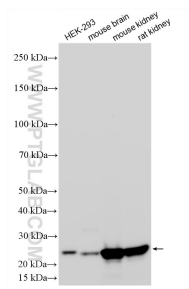
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00090 (TPK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.