

For Research Use Only

Multi-rAb® TPK1 Multi-Recombinant antibody

Catalog Number: RMX00090



Basic Information

Catalog Number:

RMX00090

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC014552

GeneID (NCBI):

27010

UNIPROT ID:

Q9H3S4

Full Name:

thiamin pyrophosphokinase 1

Calculated MW:

28 kDa

Observed MW:

28 kDa

Purification Method:

N/A

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293 cells, mouse brain tissue, mouse kidney tissue, rat kidney tissue

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

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

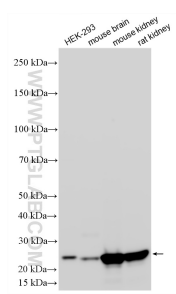
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.