

For Research Use Only

# TRIT1 Polyclonal antibody

Catalog Number: 17141-1-AP



## Basic Information

<b>Catalog Number:</b> 17141-1-AP	<b>GenBank Accession Number:</b> BC107569	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 54802	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H3H1	
<b>Isotype:</b> IgG	<b>Full Name:</b> tRNA isopentenyltransferase 1	
<b>Immunogen Catalog Number:</b> AG10906	<b>Calculated MW:</b> 467 aa, 53 kDa	
	<b>Observed MW:</b> 53-60 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse placenta tissue,
<b>Species Specificity:</b> human, mouse	

## Background Information

IPTases (TRIT1) belong to a group of enzymes that modify both cytoplasmic and mitochondrial tRNAs of eukaryotic cells. Pathogenic mutations to human IPTase (TRIT1) cause mitochondrial insufficiency and neurodevelopmental disease, principally due to decreased modification of the mt-tRNA substrates.(PMID: 32324744, PMID: 36049610)

## Storage

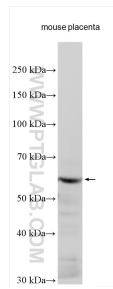
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



mouse placenta tissue were subjected to SDS PAGE followed by western blot with 17141-1-AP (TRIT1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.