

For Research Use Only

TNRC6B Polyclonal antibody, PBS Only

Catalog Number:17497-1-PBS



Basic Information

Catalog Number: 17497-1-PBS	GenBank Accession Number: BC028626	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23112	
Source: Rabbit	UNIPROT ID: Q9UPQ9	
Isotype: IgG	Full Name: trinucleotide repeat containing 6B	
Immunogen Catalog Number: AG11644	Calculated MW: 1029aa,109 kDa; 1723aa,183 kDa	
	Observed MW: 190-200 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

TNRC6B (Trinucleotide Repeat Containing 6B) is a key component of the microRNA-induced silencing complex (miRISC), where it functions as a critical scaffold protein in the RNA interference pathway. It interacts directly with Argonaute (Ago) proteins and facilitates the recruitment of additional silencing factors, thereby enabling microRNA-mediated translational repression and mRNA decay. TNRC6B is characterized by multiple functional domains, including an arginine-rich motif for binding Argonaute, a ubiquitin-associated domain, and a glycine-tryptophan repeat region. In addition to its essential role in gene silencing, TNRC6B is also involved in processing bodies (P-bodies) and has been implicated in cellular processes such as development and viral defense. Mutations in the TNRC6B gene have recently been associated with neurodevelopmental disorders, highlighting its importance beyond post-transcriptional regulation.

Storage

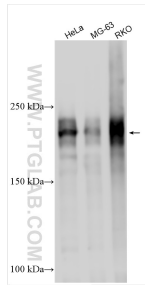
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17497-1-AP (TNRC6B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17497-1-PBS in a different storage buffer formulation.