

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
Source: Rabbit	GeneID (NCBI): 23112	
Isotype: IgG	UNIPROT ID: Q9UPQ9	
Immunogen Catalog Number: AG11644	Full Name: trinucleotide repeat containing 6B	
	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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

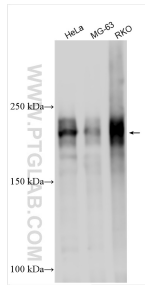
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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.