

For Research Use Only

SMIM17 Polyclonal antibody, PBS Only

Catalog Number: 34127-1-PBS



Basic Information

Catalog Number: 34127-1-PBS	GenBank Accession Number: NM_001193628	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 147670	
Isotype: IgG	UNIPROT ID: PODL12	
Immunogen Catalog Number: AG41690	Full Name: hypothetical protein LOC147670	
	Calculated MW: 118aa, 13 kDa	
	Observed MW: 20 kDa	

Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

SMIM17 (Small Integral Membrane Protein 17) encodes a small integral membrane protein. It is predominantly expressed in the brain, with elevated levels in inhibitory and excitatory neurons, bipolar cells, and astrocytes. SMIM17 has been linked to endoplasmic reticulum stress induced apoptosis through its interaction with TMEM214 and CASP4, and has been suggested to play a role in neuronal synaptic function. Although its precise biological function remains largely unknown, it is considered a promising target for future neurobiological studies. SMIM17 is not currently recognized as a therapeutic drug target but has been identified in fusion events (e.g., AKT2 SMIM17) in sarcoma and shows altered expression in certain cancers, making it a gene of interest in both basic neuroscience and oncology research.

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:

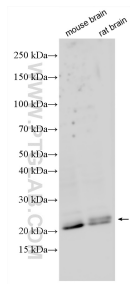
T: 4006900926

E: Proteintech-CN@ptglab.com

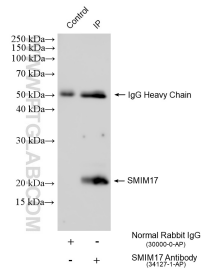
W: ptgcn.com

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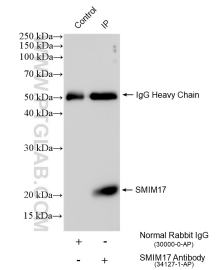
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34127-1-AP (SMIM17 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 34127-1-PBS in a different storage buffer formulation.



IP result of anti-SMIM17 (IP:34127-1-AP, 4ug; Detection:34127-1-AP 1:600) with rat brain tissue lysate 1720 ug. This data was developed using the same antibody clone with 34127-1-PBS in a different storage buffer formulation.



IP result of anti-SMIM17 (IP:34127-1-AP, 4ug; Detection:34127-1-AP 1:600) with mouse brain tissue lysate 1960 ug. This data was developed using the same antibody clone with 34127-1-PBS in a different storage buffer formulation.