

For Research Use Only

# SynDIG4/PRRT1 Polyclonal antibody

Catalog Number:17261-1-AP

6 Publications



## Basic Information

<b>Catalog Number:</b> 17261-1-AP	<b>GenBank Accession Number:</b> BC013201	<b>Purification Method:</b> Antigen affinity purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 80863	<b>Recommended Dilutions:</b> WB: 1:500-1:1000 IF/ICC: 1:20-1:200
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q99946	
<b>Immunogen Catalog Number:</b> AG10958	<b>Full Name:</b> proline-rich transmembrane protein 1	
	<b>Calculated MW:</b> 225aa,23 kDa; 306aa,31 kDa	
	<b>Observed MW:</b> 35-40 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, mouse hippocampal tissue IF/ICC : transfected cells,
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse, rat	

## Background Information

SynDIG4 [also known as Prrt1 (proline-rich transmembrane protein 1)] has recently been identified as a component of AMPAR complexes. SynDIG4 is especially prominent in the hippocampus and particularly within CA1. The function of PRRT1 has not been widely studied, and is yet to be fully elucidated.

## Notable Publications

Author	Pubmed ID	Journal	Application
George Chenuaux	27800545	eNeuro	WB
Xiaofei Wang	26428718	Zoolog Sci	WB
Eva Troyano-Rodriguez	31216424	Mol Cell Neurosci	

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

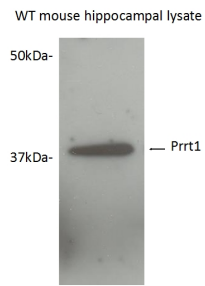
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

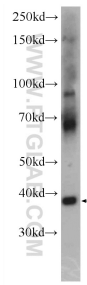
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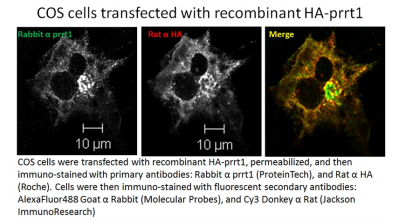
## Selected Validation Data



WB result of PRRT1 antibody (17261-1-AP) with mouse hippocampal tissue lysate. (Image courtesy of Dr. I. Kaur and Dr. E. Diaz, UC Davis).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 17261-1-AP (PRRT1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IF result of anti-PRRT1 (17261-1-AP) with COS cell transfected with recombinant HA-PRRT1.