

For Research Use Only

SynDIG4/PRRT1 Polyclonal antibody

Catalog Number: 17261-1-AP

5 Publications



Basic Information

Catalog Number:

17261-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10958

GenBank Accession Number:

BC013201

GeneID (NCBI):

80863

UNIPROT ID:

Q99946

Full Name:

proline-rich transmembrane protein 1

Calculated MW:

225aa, 23 kDa; 306aa, 31 kDa

Observed MW:

35-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, mouse hippocampal tissue

IF/ICC : transfected cells,

Background Information

SynDIG4 [also known as Prt1 (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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

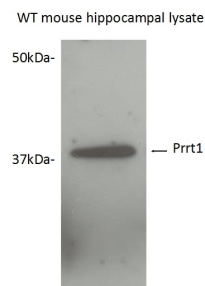
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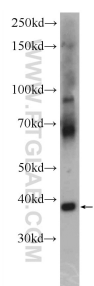
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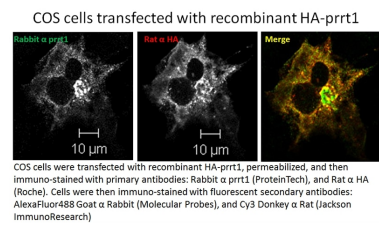
Selected Validation Data



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.