10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PRRT1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11241c

Specification

PRRT1 Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	Q99946
Other Accession	NP_085154.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**240-269**

PRRT1 Antibody (Center) - Additional Information

Gene ID 80863

Other Names
Proline-rich transmembrane protein 1, Dispanin subfamily D member 1, DSPD1, PRRT1, C6orf31, NG5

Target/Specificity
This PRRT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 240-269 amino acids from the Central region of human PRRT1.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PRRT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PRRT1 Antibody (Center) - Protein Information

Name PRRT1 (HGNC:13943)

Function Required to maintain a pool of extrasynaptic AMPA-regulated glutamate receptors

(AMPAR) which is necessary for synapse development and function. Regulates basal AMPAR function and synaptic transmission during development but is dispensable at mature hippocampal synapses. Plays a role in regulating basal phosphorylation levels of glutamate receptor GRIA1 and promotes GRIA1 and GRIA2 cell surface expression.

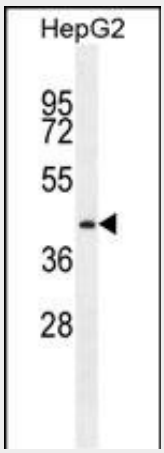
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q6MG82}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q6MG82} Synapse {ECO:0000250|UniProtKB:Q6MG82}

PRRT1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

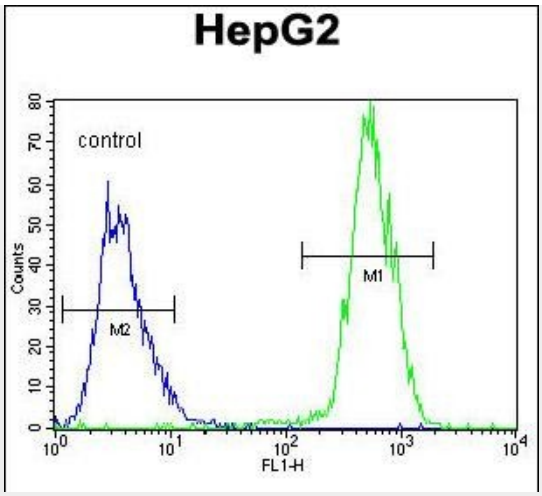
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PRRT1 Antibody (Center) - Images



PRRT1 Antibody (Center) (Cat. #AP11241c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the PRRT1 antibody detected the PRRT1 protein (arrow).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



PRRT1 Antibody (Center) (Cat. #AP11241c) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PRRT1 Antibody (Center) - References

Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :
McKinnon, E., et al. Diabetes Obes Metab 11 SUPPL 1, 92-100 (2009) :
Vignal, C., et al. Arthritis Rheum. 60(1):53-62(2009)
Xie, T., et al. Genome Res. 13(12):2621-2636(2003)