

PRRT2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17642c

Product Information

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|--------------------------|-----------------------------|
| Application | WB, FC, E |
| Primary Accession | Q7Z6L0 |
| Other Accession | NP_660282.2 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Clone Names | RB37969 |
| Calculated MW | 34945 |
| Antigen Region | 207-233 |

Additional Information

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|---------------------------|--|
| Gene ID | 112476 |
| Other Names | Proline-rich transmembrane protein 2, Dispanin subfamily B member 3, DSPB3, PRRT2 |
| Target/Specificity | This PRRT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 207-233 amino acids from the Central region of human PRRT2. |
| Dilution | WB~~1:2000 FC~~1:25 E~~Use at an assay dependent concentration. |
| 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 | PRRT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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|-----------------|--|
| Name | PRRT2 |
| Function | As a component of the outer core of AMPAR complex, may be involved in synaptic transmission in the central nervous system. In hippocampal neurons, in presynaptic terminals, plays an important role in the final steps of |

neurotransmitter release, possibly by regulating Ca(2+)-sensing. In the cerebellum, may inhibit SNARE complex formation and down-regulate short-term facilitation.

Cellular Location

Cell membrane; Single-pass membrane protein {ECO:0000250|UniProtKB:E9PUL5}. Presynaptic cell membrane {ECO:0000250|UniProtKB:E9PUL5}; Single-pass membrane protein {ECO:0000250|UniProtKB:E9PUL5}. Synapse {ECO:0000250|UniProtKB:E9PUL5} Cell projection, axon. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:D3ZFB6}. Postsynaptic density membrane {ECO:0000250|UniProtKB:D3ZFB6}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:D3ZFB6}

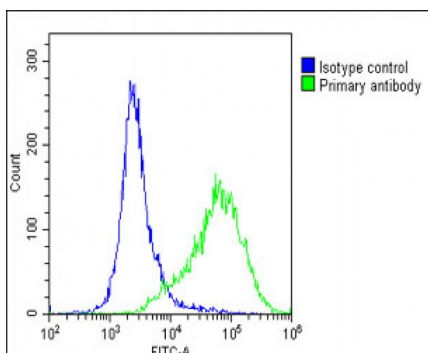
Background

PRRT2 belongs to the CD225 family. There are 3 named isoforms of PRRT2 produced by alternative splicing.

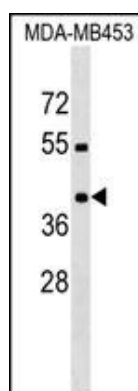
References

Lamesch, P., et al. Genomics 89(3):307-315(2007)

Images



Overlay histogram showing U-2 OS cells stained with AP17642c(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP17642c, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.



PRRT2 Antibody (Center) (Cat. #AP17642c) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the PRRT2 antibody detected the PRRT2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.