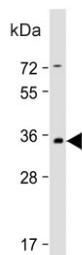


PRRT2 Antibody (F54710)

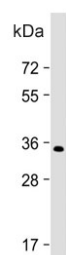
Catalog No.	Formulation	Size
F54710-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54710-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

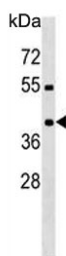
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q7Z6L0
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10 ⁶ cells)
Limitations	This PRRT2 antibody is available for research use only.



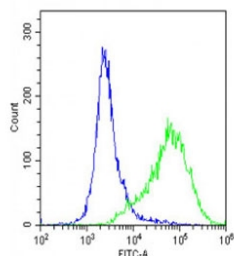
Western blot testing of human brain tissue lysate with PRRT2 antibody. Predicted molecular weight ~35 kDa.



Western blot testing of human SH-SY5Y cell lysate with PRRT2 antibody. Predicted molecular weight ~35 kDa.



Western blot testing of human MDA-MB-453 cell lysate with PRRT2 antibody. Predicted molecular weight ~35 kDa.



Flow cytometry testing of fixed and permeabilized human U-2 OS cells with PRRT2 antibody; Blue=isotype control, Green= PRRT2 antibody.

Description

As a component of the outer core of AMPAR complex, Proline-rich transmembrane protein 2 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 downregulate short-term facilitation. [UniProt]

Application Notes

The stated application concentrations are suggested starting points. Titration of the PRRT2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 207-233 from the human protein was used as the immunogen for the PRRT2 antibody.

Storage

Aliquot the PRRT2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.