

ARG53960 anti-PRR7 antibody [TRAP3/10]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [TRAP3/10] recognizes PRR7
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Specificity	The clone TRAP3/10 recognizes an epitope located in the C-terminal part of the intracellular domain of PRR7/TRAP3 (amino acids 126-253 of human PRR7 / TRAP3), a 28 kDa proline-rich membrane protein presumably associated with NMDA receptor complex.
Host	Mouse
Clonality	Monoclonal
Clone	TRAP3/10
Isotype	IgG2a
Target Name	PRR7
Species	Human
Immunogen	Recombinant C-terminal half of the intracellular domain of human PRR7/TRAP3 (amino acids 126-253)
Conjugation	Un-conjugated
Alternate Names	Synaptic proline-rich membrane protein; Proline-rich protein 7

Application Instructions

Application table	Application	Dilution
	ICC/IF	10 µg/ml
	WB	1 µg/ml
Application Note	ICC/IF: Cell culture fixed with 4% paraformaldehyde, permeabilized with 0.1% Triton-X100. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	WB: Murine brain lysate (red. Laemmli buffer)	

Properties

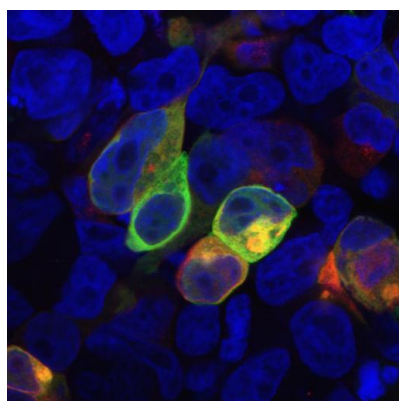
Form	Liquid
Purification	Purified from ascites by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

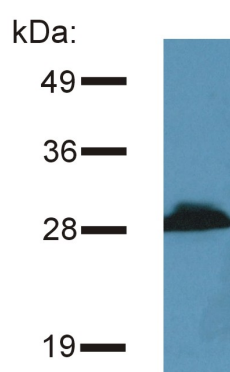
Gene Symbol	PRR7
Gene Full Name	proline rich 7 (synaptic)
Background	PRR7/TRAP3 (proline-rich 7, transmembrane adaptor protein 3) is a 28 kDa transmembrane adaptor protein ubiquitously expressed at low level (most in brain). Its amino acid sequence is extremely conserved among mammalian and other species. PRR7/TRAP3 contains potential palmitoylation motif and is found in lipid rafts. It is a part of the complex postsynaptic density fraction in neurons and associates with PSD-95, NMDA receptor and probably other proteins. The intracellular domain of PRR7/TRAP3 contains several tyrosines, a proline-rich sequence, and a C-terminal PDZ-binding motif. So far nothing is known about function of this protein. It may be involved in regulation of some receptor signaling and in formation of neurologic and immunologic synapse.
Research Area	Neuroscience antibody
Calculated Mw	31 kDa

Images



ARG53960 anti-PRR7 antibody [TRAP3/10] ICC/IF image

Immunofluorescence: HEK-293 cells cotransfected with PRR7 / TRAP3 and GFP-PSD-95 stained with ARG53960 anti-PRR7 antibody [TRAP3/10] (red)
Co-stained with GFP (green). Cell nuclei was stained with DAPI (blue).



ARG53960 anti-PRR7 antibody [TRAP3/10] WB image

Western blot: Murine brain lysate stained with ARG53960 anti-PRR7 antibody [TRAP3/10].