30-1429: Anti-PRR7 / TRAP3 Monoclonal Antibody (Clone:TRAP3/10)

Clonality :	Monoclonal
Clone Name :	TRAP3/10
Application :	WB, ICC
Reactivity :	Human, Mouse, Rat
Gene :	PRR7
Gene ID :	80758
Uniprot ID :	Q8TB68
Format :	Purified
Alternative Name :	PRR7
Isotype :	Mouse IgG2a
Immunogen Information :	Recombinant C-terminal half of the intracellular domain of human PRR7/TRAP3 (amino acids 126-253)

Description

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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Western Blotting *Recommended dilution:*1 ÃÂµg/ml
*Positive control:*murine brain lysate
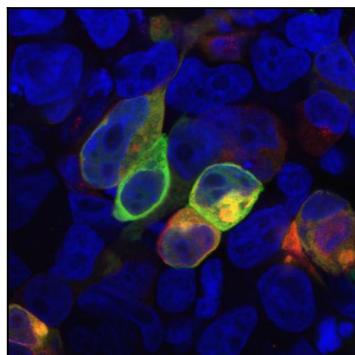**Immunofluoroscence** *Recommended dilution:*10 ÃÂµg/ml

Figure 1: Immunofluorescence staining of HEK-293 cells cotransfected with PRR7 / TRAP3 (red) and GFP-PSD-95 (green). PRR7 / TRAP3 detected by monoclonal antibody TRAP3/10. DNA visualized by DAPI (blue).

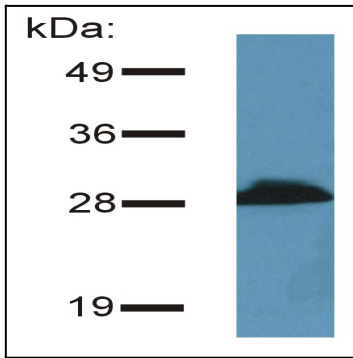*For Research Use Only. Not for use in diagnostic/therapeutics procedures.*

Figure 2: Detection of PRR7 / TRAP3 in murine brain lysate by Western blotting using the monoclonal antibody TRAP3/10.