

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	TRAP3/10
<b>Application :</b>	WB, ICC
<b>Reactivity :</b>	Human, Mouse, Rat
<b>Gene :</b>	PRR7
<b>Gene ID :</b>	80758
<b>Uniprot ID :</b>	Q8TB68
<b>Format :</b>	Purified
<b>Alternative Name :</b>	PRR7
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	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

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

#### Application Note

**Western Blotting** Recommended dilution:1 Åµg/ml

Positive control: murine brain lysate

**Immunofluorescence** Recommended dilution:10 Åµg/ml

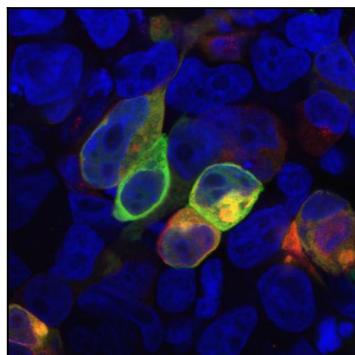


Figure 1: Immunofluorescence staining of HEK-293 cells cotransfected with PRR7 / TRAP3 (red) and GFP-PSD-95 (green). PRR7 / TRAP3 detected by monoclonal antibody TRAP3/10. DNA visualized by DAPI (blue).

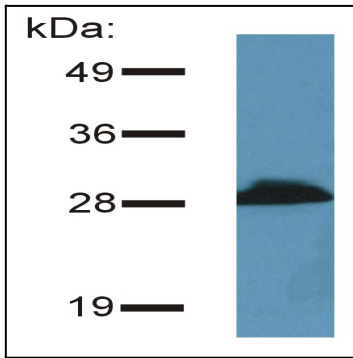


Figure 2: Detection of PRR7 / TRAP3 in murine brain lysate by Western blotting using the monoclonal antibody TRAP3/10.