

### 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 µg/ml

*Positive control:* murine brain lysate

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

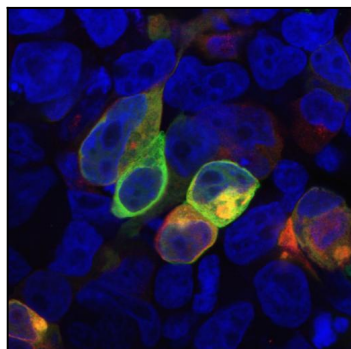


Figure 1: Immunofluorescence staining of HEK-293 cells cotransfected with PRR7 / TRAP3 (red) and GFP-PSD-95 (green). PRR7 / TRAP3 detected by monoclonal antibody TRAP3/10. DNA visualized by DAPI (blue).

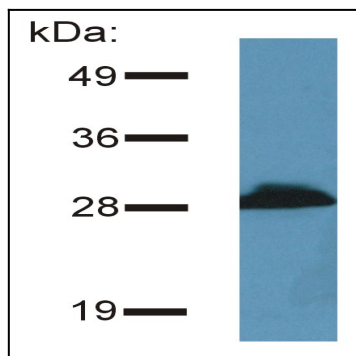


Figure 2: Detection of PRR7 / TRAP3 in murine brain lysate by Western blotting using the monoclonal antibody TRAP3/10.