

## Product datasheet for **AM12007PU-N**

### PRR7 (C-term) Mouse Monoclonal Antibody [Clone ID: TRAP3/10]

#### Product data:

|                       |                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:         | Primary Antibodies                                                                                                                                                                                          |
| Clone Name:           | TRAP3/10                                                                                                                                                                                                    |
| Applications:         | IF, WB                                                                                                                                                                                                      |
| Recommended Dilution: | Western blot: 1 µg/ml.<br>Positive control: murine brain lysate (red. Laemmli buffer).<br>Immunocytochemistry: 10 µg/ml (Cell culture fixed with 4% paraformaldehyde, permeabilized with 0.1% Triton-X100). |
| Reactivity:           | Human, Mouse, Rat                                                                                                                                                                                           |
| Host:                 | Mouse                                                                                                                                                                                                       |
| Isotype:              | IgG2a                                                                                                                                                                                                       |
| Clonality:            | Monoclonal                                                                                                                                                                                                  |
| Immunogen:            | Recombinant C-terminal half of the intracellular domain of human PRR7 (amino acids 126-253)                                                                                                                 |
| Specificity:          | The antibody clone TRAP3/10 recognizes an epitope located in the C-terminal part of the intracellular domain of PRR7 (amino acids 126-253 of human PRR7).                                                   |
| Formulation:          | Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4<br>State: Aff - Purified<br>State: Liquid Ig fraction                                                                               |
| Concentration:        | lot specific                                                                                                                                                                                                |
| Purification:         | Protein A affinity chromatography (> 95% pure by SDS-PAGE)                                                                                                                                                  |
| Conjugation:          | Unconjugated                                                                                                                                                                                                |
| Storage:              | Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C. Avoid repeated freezing and thawing.                                                                                                      |
| Stability:            | Shelf life: one year from despatch.                                                                                                                                                                         |
| Gene Name:            | proline rich 7 (synaptic)                                                                                                                                                                                   |
| Database Link:        | <a href="#">Entrez Gene 432763 Mouse</a> <a href="#">Entrez Gene 498704 Rat</a> <a href="#">Entrez Gene 80758 Human</a><br><a href="#">Q8TB68</a>                                                           |



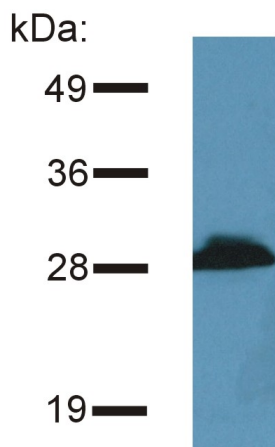
[View online »](#)

**Background:** PRR7 is enriched in post-synaptic plasma membrane and postsynaptic densities (PSD). Interacts with DLG4. Interacts preferentially to the PDZ3 domain of DLG4 and to lesser degree to PDZ2 but not to the PDZ1.

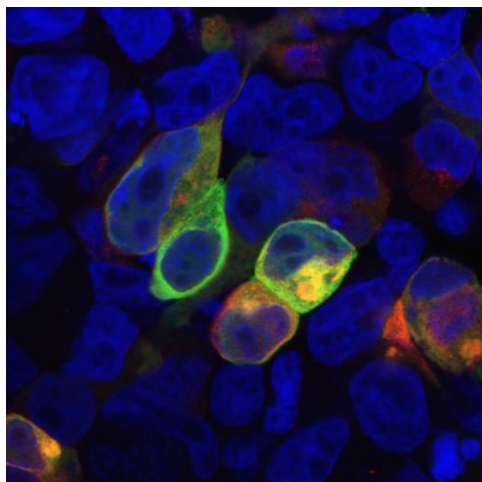
**Synonyms:** Proline-rich protein 7, Synaptic proline-rich membrane protein

**Protein Families:** Transmembrane

**Product images:**



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



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).