

**PRR7 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54727**

**Specification**

---

**PRR7 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q8TB68</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30930

**PRR7 Polyclonal Antibody - Additional Information**

**Gene ID** 80758

**Other Names**

Proline-rich protein 7, Synaptic proline-rich membrane protein, PRR7

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**PRR7 Polyclonal Antibody - Protein Information**

**Name** PRR7

**Function**

Acts as a synapse-to-nucleus messenger to promote NMDA receptor-mediated excitotoxicity in neurons in a JUN-dependent manner (By similarity). Inhibits ubiquitination-mediated degradation and promotes phosphorylation and transcriptional activity of transcription factor JUN (PubMed:<a href="http://www.uniprot.org/citations/27458189" target="\_blank">27458189</a>). Might play a redundant role in the regulation of T cell receptor signaling (PubMed:<a href="http://www.uniprot.org/citations/21460222" target="\_blank">21460222</a>). Might promote apoptosis in T cells (PubMed:<a href="http://www.uniprot.org/citations/21460222" target="\_blank">21460222</a>).

**Cellular Location**

Cell membrane; Single-pass type III membrane protein. Postsynaptic cell membrane {ECO:0000250|UniProtKB:P0C6T3}; Single-pass type III membrane protein. Postsynaptic density membrane {ECO:0000250|UniProtKB:P0C6T3}. Cytoplasm, perinuclear region. Synapse Cell projection, dendrite. Nucleus. Note=Enriched in postsynaptic plasma membrane and postsynaptic densities (PSD). Accumulates in spines along with synapse maturation and colocalizes with DLG4 in a punctate pattern. Translocates from synapses to nuclei following NMDA receptor activity (By

similarity). {ECO:0000250|UniProtKB:P0C6T3}

**Tissue Location**

Strongly expressed in brain tissue including the hippocampus, and moderately expressed in esophagus, trachea, lung, ovary, cervix, prostate, testes, thyroid, thymus, lymph nodes and peripheral blood lymphocytes.

**PRR7 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PRR7 Polyclonal Antibody - Images**