

Tarp-γ3

Cat.No. 254 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 100 (see remarks) IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Synthetic peptide corresponding to AA 294 to 307 from mouse Tarp-γ3
Reactivity	Reacts with: rat (Q8VHX0), mouse (Q9JJV5). Other species not tested yet.
Specificity	Specific for TARP-γ3.
Remarks	ICC: This antibody produces some unspecific somatic background staining on cell bodies in addition to specific labelling of post-synaptic terminals.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Ligand gated cation channels of the GluA (AMPA) subtype interact with a family of proteins termed transmembrane AMPA-receptor regulatory proteins (**TARPs**). These proteins regulate the surface expression and the biophysical properties of GluAs.

Selected General References

Hippocampal AMPA receptor gating controlled by both TARP and cornichon proteins.
Kato AS, Gill MB, Ho MT, Yu H, Tu Y, Siuda ER, Wang H, Qian YW, Nisenbaum ES, Tomita S, Bredt DS, et al. Neuron (2010) 68(6): 1082-96.

Functional comparison of the effects of TARPs and cornichons on AMPA receptor trafficking and gating.
Shi Y, Suh YH, Milstein AD, Isozaki K, Schmid SM, Roche KW, Nicoll RA
Proceedings of the National Academy of Sciences of the United States of America (2010) 107(37): 16315-9.