

Shank 1

Cat.No. 162 013; 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 : 500 (see remarks) IHC: yes IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 397 to 619 from rat Shank1 (UniProt Id: Q9WV48)
Reactivity	Reacts with: rat (Q9WV48), mouse (D3YZU1). Other species not tested yet.
Specificity	Specific for shank 1 with weak cross reactivity to shank 2 and 3 due to high sequence homology. (K.O. verified)
Remarks	ICC: Only methanol fixation, recommended protocol.

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

Shank 1, 2 and 3 are major proteins of the postsynaptic density (PSD). They are composed of several protein-protein interaction domains like PDZ-, homer- and ABP 1-binding domains which allow them to crosslink ionotopic and metabotropic glutamate receptor complexes with each other and to the actin-cytoskeleton.

Selected References SYSY Antibodies

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Selected General References

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The Shank family of scaffold proteins.

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