



SHANK1 Mouse mAb

Catalog No	YP-mAb-19342
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SHANK1
Immunogen	Synthesized peptide derived from human SHANK1. AA range:372-472
Specificity	This antibody detects endogenous levels of SHANK1 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SHANK1;SH3 and multiple ankyrin repeat domains protein 1 (Shank1) (Somatostatin receptor-interacting protein) (SSTR-interacting protein) (SSTRIP)
Observed Band	
Calculated Molecular Weight	238kD
Cell Pathway	Cytoplasm . Cell junction, synapse, postsynaptic density . Cell junction, synapse . Colocalizes with alpha-latrotoxin receptor 1. .
Tissue Specificity	Expressed in brain particularly in the amygdala, hippocampus, substantia nigra and thalamus. Isoform 2 seems to be expressed ubiquitously.
Function	Seems to be an adapter protein in the postsynaptic density (PSD) of excitatory synapses that interconnects receptors of the postsynaptic membrane including NMDA-type and metabotropic glutamate receptors via complexes with GKAP/ PSD-95 and Homer, respectively, and the actin-based cytoskeleton. Plays a role in the structural and functional organization of the dendritic spine and synaptic junction.
Background	

**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images