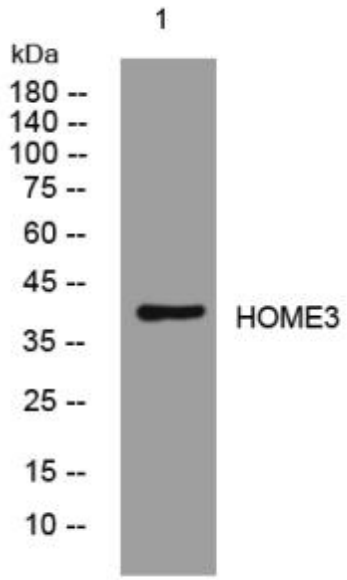
HOME3 mouse mAb

Catalog No	YP-mAb-08483
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	HOMER3
Protein Name	HOME3
Immunogen	Synthesized peptide derived from human HOME3 AA range: 243-293
Specificity	This antibody detects endogenous levels of HOME3 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 serum by affinity-chromatography using specific immunogen.
Dilution	WB 1：500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Observed Band	
Calculated Molecular Weight	40kD
Cell Pathway	Cytoplasm . Cell junction, synapse, postsynaptic density . Cell junction, synapse . Postsynaptic density of neuronal cells. .
Tissue Specificity	
Function	domain:The WH1 domain interacts with the PPXXF motif in GRM1, GRM5, RYR1, RYR2, ITPR1, SHANK 1 and SHANK3.,function:Postsynaptic density scaffolding protein. Binds and cross-links cytoplasmic regions of GRM1, GRM5, ITPR1, DNM3, RYR1, RYR2, SHANK1 and SHANK3. By physically linking GRM1 and GRM5 with ER-associated ITPR1 receptors it aids the coupling of surface receptors to intracellular calcium release. Isoforms can be differently regulated and may play an important role in maintaining the plasticity at glutamatergic synapses.,similarity:Belongs to the Homer family.,similarity:Contains 1 WH1 domain.,subcellular location:Postsynaptic density of neuronal cells.,subunit:Isoform 1 and isoform 2 encode coiled-coil structures that mediate homo- and heteromultimerization.,
Background	This gene encodes a member of the HOMER family of postsynaptic density scaffolding proteins that share a similar domain structure consisting of an N-terminal Enabled/vasodilator-stimulated phosphoprotein homology 1 domain which mediates protein-protein interactions, and a carboxy-terminal coiled-coil

	domain and two leucine zipper motifs that are involved in self-oligomerization. The encoded protein binds numerous other proteins including group I metabotropic glutamate receptors, inositol 1,4,5-trisphosphate receptors and amyloid precursor proteins and has been implicated in diverse biological functions such as neuronal signaling, T-cell activation and trafficking of amyloid beta peptides. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Mar 2009],
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



Western Blot analysis of various cells using HOME3 mouse mAb