

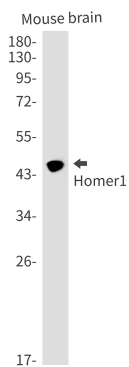


<b>Product name:</b>	Homer1 Rabbit Monoclonal antibody
<b>Cat number:</b>	MABN02110
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100µL
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	Recombinant protein of human Homer1
<b>Reactivity:</b>	Mouse,Rat
<b>Applications:</b>	WB 1:500-1:1000,IP 1:20-1:50
<b>Molecular Weight:</b>	46 kDa
<b>Purification:</b>	Affinity purification
<b>Form:</b>	liquid
<b>Buffer:</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Storage:</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Synonyms:</b>	HOMER; SYN47; Ves-1; HOMER1A; HOMER1B; HOMER1C
<b>Source:</b>	Rabbit
<b>Background:</b>	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. May also couple GRM1 to PI3 kinase through its interaction with AGAP2. Isoform 1 regulates the trafficking and surface expression of GRM5. Isoform 3 acts as a natural dominant negative, in dynamic competition with constitutively expressed isoform 1 to regulate synaptic metabotropic glutamate function. Isoform 3, may be involved in the structural changes that occur at synapses during long-lasting neuronal plasticity and development. Forms a high-order complex with SHANK1, which in turn is necessary for the structural and functional integrity of dendritic spines .

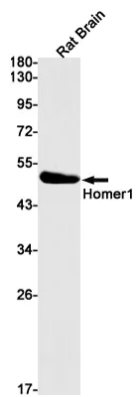
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Web-site: <https://immunologicalsciences.com> - E-mail: [info@immunologicalsciences.com](mailto:info@immunologicalsciences.com)



Western blot analysis of Homer1 in mouse brain lysates using Homer1 antibody.



Western blot analysis of Homer1 in rat Brain lysates using Homer1 antibody.

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