

产品名称: Homer1 Rabbit Monoclonal Antibody
产品货号: AMRe85668



产品概述 (Summary)

产品名称 (Production Name)	Homer1 Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IP
种属反应性 (Reactivity)	Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	Homer1
别名 (Alternative Names)	HOMER; SYN47; Ves-1; HOMER1A; HOMER1B; HOMER1C
基因 ID (Gene ID)	9456.0
蛋白 ID (SwissProt ID)	Q86YM7.Recombinant protein of human Homer1

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000,IP 1:10-1:20
蛋白分子量 (Molecular Weight)	Calculated MW: 40 kDa; Observed MW: 46 kDa

研究背景 (Background)

Postsynaptic density scaffolding protein. Binds and cross-links cytoplasmic regions of GRM1, GRM5, ITPR1, DNM3, RYR1,

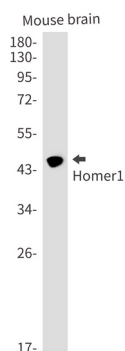
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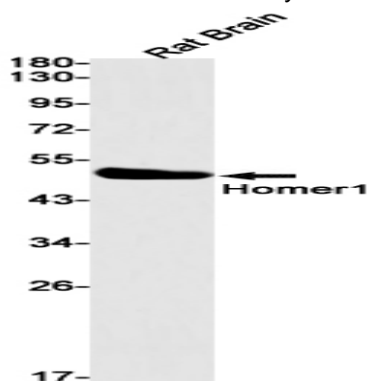
RYR2, SHANK1 and SHANK3. By physically linking GRM1 and GRM5 with ER-associated ITPR1 receptors, it aids the coupling of surface receptors to intracellular calcium release. May also couple GRM1 to PI3 kinase through its interaction with AGAP2. Isoform 1 regulates the trafficking and surface expression 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 .

研究领域 (Research Area)

图片 (Image Data)



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



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

注意事项 (Note)

For research use only .