

## HOMER1 RABBIT MAB

货号: N262354

产品全名: Homer1 兔单克隆抗体

基因符号 HOMER; SYN47; Ves-1; HOMER1A; HOMER1B; HOMER1C

**UNIPROT ID:** Q86YM7

**背景:** 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 .

**抗原:** Recombinant protein of human Homer1

**经过测试的应用:** WB,IP

**推荐稀释比:** WB: 1/500-1/1000 IP: 1/20

**种属反应性:** Rabbit

**克隆性:** Rabbit Monoclonal

**克隆编号:** R01-5B7

**分子量:** Calculated MW: 40 kDa; Observed MW: 46 kDa

**亚型:** IgG

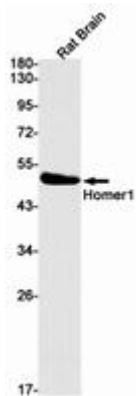
**纯化:** Affinity Purified

**种属反应性:** Mouse,Rat

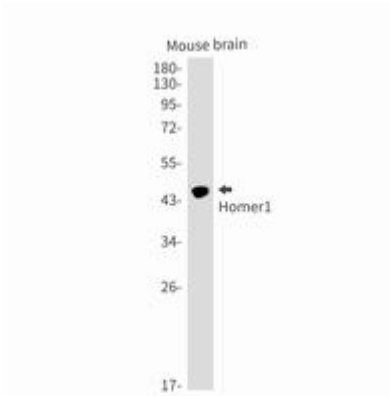
**成分:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**研究领域:** Neuroscience

**储存和运输:** Store at -20°C. Avoid repeated freezing and thawing



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



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