

---

**Product Name: Homer 1 Rabbit Monoclonal Antibody****Catalog #: AMRe84073**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.59mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:2000,IHC 1:100-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 40 kDa ; Observed MW: 45 kDa

**Antigen Information**

<b>Gene Name</b>	Homer 1
<b>Alternative Names</b>	Homer; HOMER 1A; HOMER 1B; HOMER 1C; homer homolog 1; Homer1; HOMER1A; HOMER1B; HOMER1C; SYN47;;Homer 1
<b>Gene ID</b>	
<b>SwissProt ID</b>	Q86YM7
<b>Immunogen</b>	A synthesized peptide derived from human Homer 1

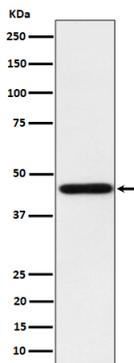
**Background**

Postsynaptic density scaffolding protein. Binds and cross-links cytoplasmic regions of GRM1, GRM5, ITPR1, DNM3, RYR1, RYR2,

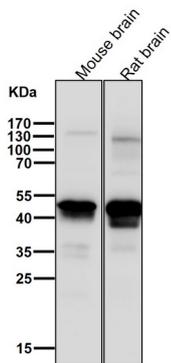
SHANK1 and SHANK3. By physically linking GRM1 and GRM5 with ER-associated ITPR1 receptors, it aids the coupling of surface receptors to intracellular calcium release. May also couple GRM1 to PI3 kinase through its interaction with AGAP2.

## Research Area

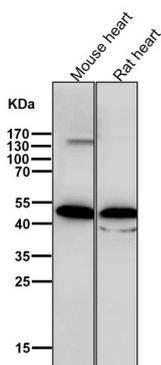
## Image Data



Western blot analysis of Homer1 expression in HepG2 cell lysate.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.