

Rabbit anti-Human HOMER1 / Homer 1 Polyclonal Antibody | anti-HOMER1 antibody

Anti-HOMER1 / Homer 1 Antibody (aa72-339) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162133	Rabbit	Human	Western Blot, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

HOMER1 / Homer 1; Polyclonal Antibody; Anti-HOMER1 / Homer 1 Antibody (aa72-339) IHC-plus; Rabbit Polyclonal to Human HOMER1 / Homer 1; Human HOMER1 / Homer 1; HOMER; Homer homolog 1 (Drosophila); Homer protein homolog 1; HOMER1B; SYN47; Ves-1; Homer-1; HOMER-1B; HOMER1A; HOMER1C; anti-HOMER1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human HOMER
Purity/Purification	Immunoaffinity purified
Form/Format	0.1 M Tris-glycine, pH 7.0, 10% glycerol, 0.01% Thimerosal
Concentration	1 mg/ml (varies by lot)
Sequence Length	354
Applicable Applications for anti-HOMER1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	HOMER1 / Homer 1 antibody was raised against recombinant fragment corresponding to a region within amino acids 72 and 339 of Homer (SwissProt Q86YM7).
Immunogen Description	Recombinant fragment corresponding to a region within amino acids 72 and 339 of Homer (SwissProt Q86YM7).
Immunogen Type	Recombinant protein
Antigen Modification	aa72-339
Target Species	Human
Preparation and Storage	Keep as concentrated solution. Aliquot and store at -20 degree C or below. Avoid multiple freeze-thaw cycles.

IMAGES



WB (Western Blot)

Sample (20 ug of whole cell lysate). A: mouse brain. 10% SDS PAGE. HOMER antibody diluted at 1:20000.



WB (Western Blot)

Homer antibody detects HOMER1 protein by Western blot analysis. A. 30 ug IMR32 whole cell lysate/extract. 10 % SDS-PAGE. Homer antibody dilution:1:1000



WB (Western Blot)

Homer antibody detects HOMER1 protein by Western blot analysis. A. 50 ug rat brain lysate/extract. 10 % SDS-PAGE. Homer antibody dilution:1:500



ICC (Immunocytochemistry)

Immunofluorescence of methanol-fixed HeLa using Homer antibody at 1:500 dilution.



IHC (Immunohistochemistry)

Anti-HOMER1 / Homer 1 antibody IHC staining of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 7.5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-HOMER1 antibody

HOMER1 Antibody, HOMER Antibody, Homer homolog 1 (Drosophila) Antibody, Homer protein homolog 1 Antibody, HOMER1B Antibody, SYN47 Antibody, Ves-1 Antibody, Homer-1 Antibody, HOMER-1B Antibody, HOMER1A Antibody, HOMER1C Antibody Description: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759198
NCBI GeneID	9456
NCBI Accession #	NP_004263.1
NCBI GenBank Nucleotide #	NM_004272.4
UniProt Accession #	Q86YM7 ; O96003 ; Q86YM5 ; B2R688
Molecular Weight	19,861 Da
NCBI Official Full Name	homer protein homolog 1 isoform 1
NCBI Official Synonym Full Names	homer scaffolding protein 1
NCBI Official Symbol	HOMER1
NCBI Official Synonym Symbols	HOMER; SYN47; Ves-1; HOMER1A; HOMER1B; HOMER1C
NCBI Protein Information	homer protein homolog 1
UniProt Protein Name	Homer protein homolog 1
UniProt Gene Name	HOMER1
UniProt Synonym Gene Names	SYN47; Homer-1
UniProt Entry Name	HOME1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/homer1-homer-1-antibody-western-blot-immunocytochemistry-immunohistochemistry-elisa/162133>