

Rabbit anti-Human, mouse HOMER3 Polyclonal Antibody | anti-HOMER3 antibody

HOMER3 Antibody (Center)

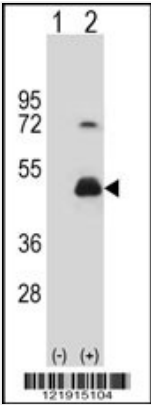
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286228	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

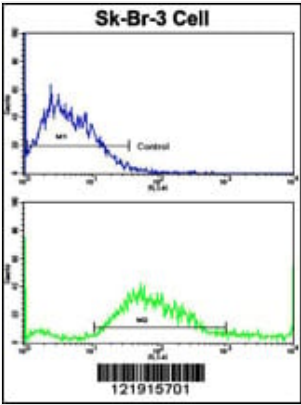
HOMER3; Polyclonal Antibody; HOMER3 Antibody (Center); Homer protein homolog 3; Homer-3; anti-HOMER3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HOMER3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 281-308 amino acids from the Central region of human HOMER3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.46 (varies by lot)
Sequence Positions	281-308
Sequence Length	325
Applicable Applications for anti-HOMER3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



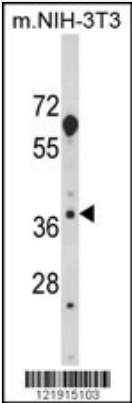
WB (Western Blot)
Western blot analysis of HOMER3 (arrow) using rabbit polyclonal HOMER3 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HOMER3 gene.



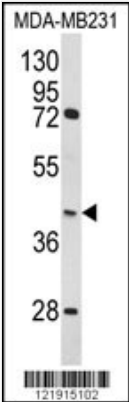
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of SK-Br-3 cells using HOMER3 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue with HOMER3 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of HOMER3 Antibody (Center) in mouse NIH-3T3 cell line lysates (35ug/lane).HOMER3 (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of HOMER3 Antibody (Center) in MDA-MB231 cell line lysates (35ug/lane).HOMER3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-HOMER3 antibody	HOMER3 is a member of the HOMER family of postsynaptic density scaffolding proteins that share a similar domain structure consisting of an N-terminal Enabled/vasodilator-stimulated phosphoprotein homology 1 domain which mediates protein-protein interactions, and a carboxy-terminal coiled-coil domain and two leucine zipper motifs that are involved in self-oligomerization. This protein binds numerous other proteins including group I metabotropic glutamate receptors, inositol 1,4,5-trisphosphate receptors and amyloid precursor proteins and has been implicated in diverse biological functions such as neuronal signaling, T-cell activation and trafficking of amyloid beta peptides.
Product Categories/Family for anti-HOMER3 antibody	Neuroscience
References	Norton,N., et.al., Am. J. Med. Genet. B Neuropsychiatr. Genet. 120B (1), 18-21 (2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	224809410
NCBI GeneID	9454
NCBI Accession #	NP_001139193.1; NP_001139194.1; NP_001139196.1; NP_004829.3
NCBI GenBank Nucleotide #	NM_001145721.1
UniProt Accession #	Q9NSC5; O14580; O95350; Q9NSB9; Q9NSC0; Q9NSC1; E9PCW9
Molecular Weight	39836
NCBI Official Full Name	homer protein homolog 3 isoform 2
NCBI Official Synonym Full Names	homer scaffolding protein 3
NCBI Official Symbol	HOMER3
NCBI Official Synonym Symbols	VESL3; HOMER-3
NCBI Protein Information	homer protein homolog 3
UniProt Protein Name	Homer protein homolog 3
UniProt Gene Name	HOMER3
UniProt Synonym Gene Names	Homer-3
UniProt Entry Name	HOME3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/homer3-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286228>