

Mouse anti-Human, Mouse Homer1 Monoclonal Antibody | anti-Homer1 antibody

Homer1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48052	Mouse	Human, Mouse	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

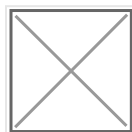
PRODUCT SYNONYMS

Homer1; Monoclonal Antibody; Homer1 antibody; Homer protein homolog 1; HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Homer 1; Homer protein homolog 1 HOMER 1A; HOMER 1B; HOMER 1C; Homer; neuronal immediate early gene; 1; HOMER1; Ves 1; ; anti-Homer1 antibody

PRODUCT SPECIFICATIONS

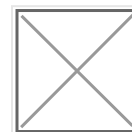
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT1F3
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	354
Applicable Applications for anti-Homer1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human Homer1 (1-354aa) purified from E. coli
Clone Note	Anti-human Homer1 mAb, clone AT1F3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human Homer1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of Homer1 in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human Homer1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The extracts of mouse brain (50ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human Homer1 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-Homer1 antibody	Homer1 (Homer protein homolog 1) belongs to Homer family of proteins that regulate signal transduction through, and the trafficking of, glutamate receptors, as well as maintain and regulate extracellular glutamate levels in corticolimbic brain regions. The Homer1 is enriched at excitatory synapses and binds group 1 metabotropic glutamate receptors (mGluRs).
Product Categories/Family for anti-Homer1 antibody	Cell Cycle
References	Szumliński KK, et al., (2008) Biochem Pharmacol. 75 (1):112-33; Roche KW, et al., (1999) J Biol Chem.274 (36):25953-7

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759198
NCBI GeneID	9456
NCBI Accession #	NP_004263
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

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.