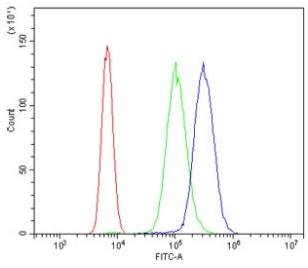
HOMER3 Antibody [clone 9G13] (RQ5615)

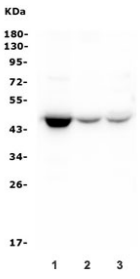
Catalog No.	Formulation	Size
RQ5615	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	9G13
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9NSC5
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This HOMER3 antibody is available for research use only.



Flow cytometry testing of human U937 cells with HOMER3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HOMER3 antibody.



Western blot testing of human 1) U-87 MG, 2) HeLa and 3) Caco-2 lysate with HOMER3 antibody. Predicted molecular weight ~40 kDa, can be observed at 45-47 kDa.

Description

Homer protein homolog 3 is a protein that in humans is encoded by the HOMER3 gene. This gene encodes 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. The encoded 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.

Application Notes

Optimal dilution of the HOMER3 antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids R282-A360) was used as the immunogen for the HOMER3 antibody.

Storage

After reconstitution, the HOMER3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.