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Datasheet for ABIN901073

anti-HOMER2 antibody (AA 301-354) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	HOMER2
Binding Specificity:	AA 301-354
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOMER2 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HOMER2
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	HOMER2
Alternative Name:	HOMER2 (HOMER2 Products)

Target Details

Background:	<p>Synonyms: Cupidin, HOME2_HUMAN, HOMER 2, HOMER 2A, HOMER 2B, Homer homolog 2 Drosophila, Homer homolog 3, Homer neuronal immediate early gene 2, Homer protein homolog 2, Homer-2, Homer2, HOMER2A, HOMER2B, Vesl 2, Vesl2.</p> <p>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. Isoforms can be differently regulated and may play an important role in maintaining the plasticity at glutamatergic synapses.</p>
Gene ID:	9455
UniProt:	Q9NSB8
Pathways:	Synaptic Membrane , Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	<p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months