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Datasheet for ABIN1385874
anti-CELSR2 antibody (AA 201-300)

Overview

Quantity:	100 µL
Target:	CELSR2
Binding Specificity:	AA 201-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CELSR2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CELSR2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Horse
Purification:	Purified by Protein A.

Target Details

Target:	CELSR2
Alternative Name:	CELSR2 (CELSR2 Products)

Target Details

Background: Synonyms: Cadherin EGF LAG seven pass G type receptor 2 flamingo Drosophila homolog, Cadherin EGF LAG seven-pass G-type receptor 2, Cadherin family member 10, CDHF10, CELR2_HUMAN, Celsr2, EGF like domain multiple 2, EGF-like protein 2, EGFL2, epidermal growth factor like 2, Epidermal growth factor-like protein 2, Flamingo homolog 3, Flamingo1, KIAA0279, MEGF3, Multiple EGF-like domains protein 3, Multiple epidermal growth factor-like domains protein 3.

Background: Drosophila Flamingo is a seven pass transmembrane cadherin that is necessary for dendritic patterning and axon guidance. Flamingo mammalian homologs play similar roles in neuronal development, during which they play an important role in cell-cell signaling. Cadherin EGF LAG seven pass G-type receptors (CELSRs) are multi-pass membrane proteins that belong to the G protein-coupled receptor family of proteins. Silencing CELSR2 gene expression results in significant simplification of dendritic arbors of cortical pyramidal neurons and Purkinje neurons, which may be due to branch retraction. In mouse, CELSR1, CELSR2 and CELSR3 are expressed in the nervous system at early developmental stages, and show expression patterns in the developing CNS. CELSR2 is distributed at intercellular boundaries in the whisker and on processes of neuronal cells such as hippocampal pyramidal cells, Purkinje cells and olfactory neurons.

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months