



CDHF9 Polyclonal Antibody

Catalog No	YP-Ab-16948
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IF;ELISA
Gene Name	CELSR1
Immunogen	The antiserum was produced against synthesized peptide derived from human CELSR1. AA range:921-970
Specificity	CDHF9 Polyclonal Antibody detects endogenous levels of CDHF9 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cadherin EGF LAG seven pass G type receptor;Cadherin EGF LAG seven pass G type receptor 1;CDHF 9;CDHF9;CELS R1;CELSR 1;DKFZp434P729; Flamingo homolog 2;Flamingo homolog;Flamingo homolog Drosophila;FMI 2; FMI2;HFMI 2;HFMI2;ME 2;ME2;OTTHUMP28852;Protocadherin flamingo 2; CELSR1;Cadherin EGF LAG seven-pass G-type receptor 1;Cadherin family member 9
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Kidney,Testis,
Function	function:Receptor that may have an important role in cell/cell signaling during nervous system formation.,PTM:The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.,similarity:Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily.,similarity:Contains 1 GPS domain.,similarity:Contains 1 laminin EGF-like domain.,similarity:Contains 2 laminin G-like domains.,similarity:Contains 8



EGF-like domains.,similarity:Contains 9 cadherin domains.,

Background

The protein encoded by this gene is a member of the flamingo subfamily, part of the cadherin superfamily. The flamingo subfamily consists of nonclassic-type cadherins; a subpopulation that does not interact with catenins. The flamingo cadherins are located at the plasma membrane and have nine cadherin domains, seven epidermal growth factor-like repeats and two laminin A G-type repeats in their ectodomain. They also have seven transmembrane domains, a characteristic unique to this subfamily. It is postulated that these proteins are receptors involved in contact-mediated communication, with cadherin domains acting as homophilic binding regions and the EGF-like domains involved in cell adhesion and receptor-ligand interactions. This particular member is a developmentally regulated, neural-specific gene which plays an unspecified role in early embryogenesis. [provided by RefSeq,

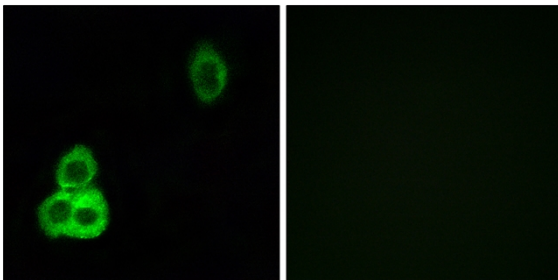
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunofluorescence analysis of HepG2 cells, using CELSR1 Antibody. The picture on the right is blocked with the synthesized peptide.