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CELSR1 Rabbit pAb

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Catalog # AP55309

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NYQ6
Reactivity	Rat, Human
Predicted	Mouse, Chicken, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	329486
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CELSR1
Epitope Specificity	751-850/3014
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Integral membrane protein
DISEASE	Neural tube defects (NTD) [MIM:182940]: Congenital malformations of the central nervous system and adjacent structures related to defective neural tube closure during the first trimester of pregnancy. Failure of neural tube closure can occur at any level of the embryonic axis. Common NTD forms include anencephaly, myelomeningocele and spina bifida, which result from the failure of fusion in the cranial and spinal region of the neural tube. NTDs have a multifactorial etiology encompassing both genetic and environmental components. Note=The disease may be caused by mutations affecting the gene represented in this entry.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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, Jul 2008]

Additional Information

Gene ID	9620
Other Names	Cadherin EGF LAG seven-pass G-type receptor 1, Cadherin family member 9, Flamingo homolog 2, hFmi2, CELSR1, CDHF9, FMI2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

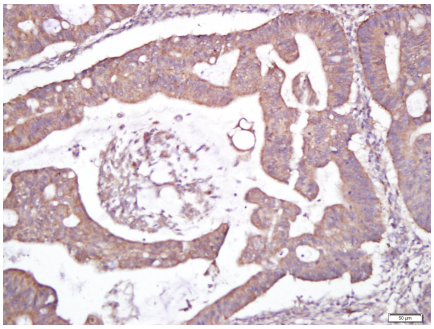
Protein Information

Name	CELSR1
Synonyms	CDHF9, FMI2
Function	Receptor that may have an important role in cell/cell signaling during nervous system formation.
Cellular Location	Cell membrane; Multi-pass membrane protein.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (human cervix cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CELSR1) Polyclonal Antibody, Unconjugated (AP55309) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.