

**CDHF10 Polyclonal Antibody**

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| <b>Catalog No :</b>          | YT0825  |
| <b>Reactivity :</b>          | Human;Mouse;Rat   |
| <b>Applications :</b>        | IHC;IF;ELISA  |
| <b>Target :</b>              | CDHF10  |
| <b>Gene Name :</b>           | CELSR2  |
| <b>Protein Name :</b>        | Cadherin EGF LAG seven-pass G-type receptor 2   |
| <b>Human Gene Id :</b>       | 1952  |
| <b>Human Swiss Prot No :</b> | Q9HCU4  |
| <b>Mouse Swiss Prot No :</b> | Q9R0M0  |
| <b>Rat Swiss Prot No :</b>   | Q9QYP2  |
| <b>Immunogen :</b>           | The antiserum was produced against synthesized peptide derived from human CELSR2. AA range:2781-2830                  |
| <b>Specificity :</b>         | CDHF10 Polyclonal Antibody detects endogenous levels of CDHF10 protein.   |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG  |
| <b>Dilution :</b>            | IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.                            |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Concentration :</b>       | 1 mg/ml   |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)  |

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**Molecularweight :** 317kD

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**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. The specific function of this particular member has not been determined. [provided by RefSeq, Jul 2008],

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**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 7 EGF-like domains.,similarity:Contains 9 cadherin domains.,tissue specificity:Highest expression in brain and testis.,

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**Subcellular Location :** Cell membrane; Multi-pass membrane protein.

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**Expression :** Highest expression in brain and testis.

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**Sort :** 3775

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**No4 :** 1

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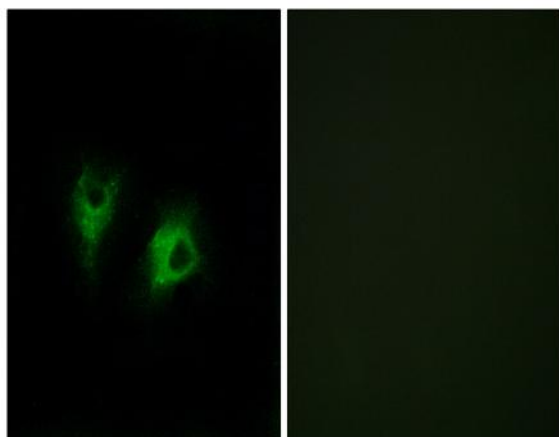
**Host :** Rabbit

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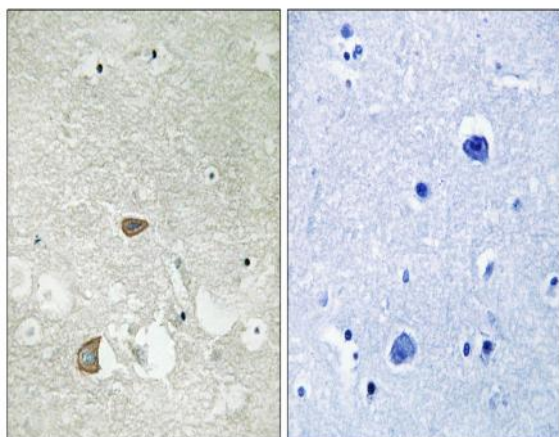
**Modifications :** Unmodified

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**Products Images**



Immunofluorescence analysis of COS7 cells, using CELSR2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using CELSR2 Antibody. The picture on the right is blocked with the synthesized peptide.