



Datasheet for ABIN1387763  
**anti-CELSR3 antibody (AA 1601-1700)**



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1 Image

1 Publication

### Overview

Quantity:	100 µL
Target:	CELSR3
Binding Specificity:	AA 1601-1700
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CELSR3 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 Flamingo homolog 1
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Pig,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	CELSR3
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## Target Details

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Alternative Name: CELSR3/Flamingo homolog 1 ([CELSR3 Products](#))

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Background: Synonyms: Cadherin EGF LAG seven-pass G-type receptor 3, Cadherin family member 11, CDHF11, CELR3\_HUMAN, CELSR3, EGF-like protein 1, EGFL1, Epidermal growth factor-like protein 1, Flamingo, Flamingo homolog 1, FMI1, HFMI1, MEGF2, Multiple EGF-like domains protein 2, Multiple epidermal growth factor-like domains protein 2.

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.

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Gene ID: 1951

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UniProt: [Q9NYQ7](#)

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## Application Details

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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

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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

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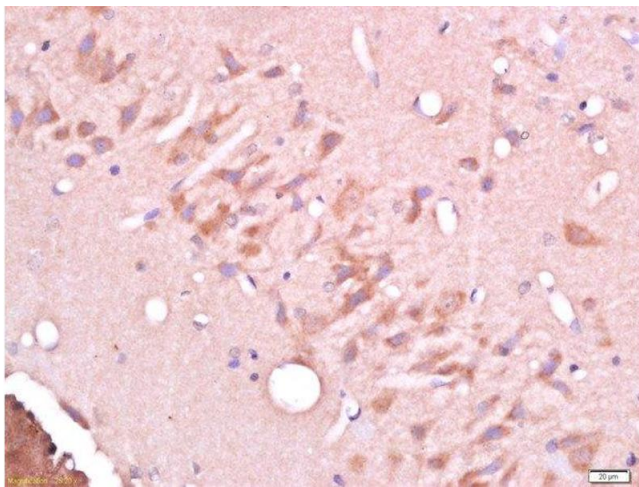
## Handling

Preservative:	ProClin
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

## Publications

Product cited in: Su, Zhang, Gan, Jiang, Xiao, Zou, Li, Jiang: "Deregulation of the planar cell polarity genes CELSR3 and FZD3 in Hirschsprung disease." in: **Experimental and molecular pathology**, Vol. 101, Issue 2, pp. 241-248, (2016) ([PubMed](#)).

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded rat brain tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-CELSR3/Flamingo homolog 1 Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining