

### **CLDND1 Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP9729c

### **Specification**

### **CLDND1** Antibody (Center) - Product Information

Application WB,E
Primary Accession Q9NY35
Other Accession Q4R4Z3

Reactivity Human, Mouse

Predicted Monkey
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 28603
Antigen Region 43-72

# **CLDND1** Antibody (Center) - Additional Information

### **Gene ID 56650**

### **Other Names**

Claudin domain-containing protein 1, Membrane protein GENX-3745, CLDND1, C3orf4

### Target/Specificity

This CLDND1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-72 amino acids from the Central region of human CLDND1.

## **Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

### **Precautions**

CLDND1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

# **CLDND1** Antibody (Center) - Protein Information

### Name CLDND1



# Synonyms C3orf4

**Function** Plays a role in negatively regulating the permeability of cells to small molecules.

### **Cellular Location**

Cell junction, tight junction. Cell membrane; Multi-pass membrane protein

### **Tissue Location**

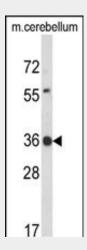
Widely distributed in the adult CNS with highest expression in the corpus callosum, caudate nucleus, cerebral cortex, medulla, putamen, spinal cord, substantia nigra and subthalamic nucleus. Weak expression was detected in the adult heart

# **CLDND1** Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# CLDND1 Antibody (Center) - Images



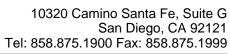
Western blot analysis of CLDND1 Antibody (Center) (Cat. #AP9729c) in mouse cerebellum tissue lysates (35ug/lane). CLDND1 (arrow) was detected using the purified Pab.

### **CLDND1** Antibody (Center) - Background

CLDND1 is widely distributed in the adult CNS with highest expression in the corpus callosum, caudate nucleus, cerebral cortex, medulla, putamen, spinal cord, substantia nigra and subthalamic nucleus. Weak expression has been detected in the adult heart. There are 2 named isoforms produced by alternative splicing.

## **CLDND1** Antibody (Center) - References

Liu, Y., et al. Lung Cancer 56(3):307-317(2007)





Fayein, N.A., et al. Gene 289 (1-2), 119-129 (2002)