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# CLSTN2 Antibody(Center)
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP19746c**

## Specification

### CLSTN2 Antibody(Center) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | Q9H4D0 |
| Other Accession | NP_071414.2 |
| Reactivity | **Human, Mouse** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **107006** |
| Antigen Region | **743-770** |

### CLSTN2 Antibody(Center) - Additional Information

**Gene ID** 64084

**Other Names**
Calsyntenin-2, Alcadein-gamma, Alc-gamma, CLSTN2, CS2

**Target/Specificity**
This CLSTN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 743-770 amino acids from the Central region of human CLSTN2.

**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**
CLSTN2 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### CLSTN2 Antibody(Center) - Protein Information

**Name** CLSTN2 (HGNC:17448)

**Synonyms** CS2

**Function** Postsynaptic adhesion molecule that binds to presynaptic neurexins to mediate synapse formation, and which is involved in learning and memory (By similarity). Promotes synapse development by acting as a cell adhesion molecule at the postsynaptic membrane, which associates with neurexin-alpha at the presynaptic membrane (By similarity).

**Cellular Location**
Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q9ER65}; Single-pass type I membrane protein. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9ER65}; Single-pass type I membrane protein. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9ER65}; Single-pass type I membrane protein. Cell projection, dendrite {ECO:0000250|UniProtKB:Q9ER65}. Note=Most prominent in the postsynaptic specializations of asymmetric (type I) synapses with both axodendritic and axospinous localization {ECO:0000250|UniProtKB:Q9ER65}

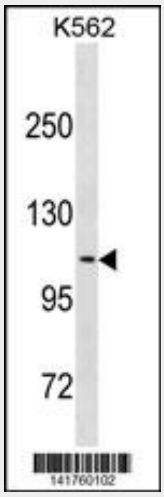
**Tissue Location**
Restricted to the brain.

## CLSTN2 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

## CLSTN2 Antibody(Center) - Images




CLSTN2 Antibody (Center) (Cat. #AP19746c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the CLSTN2 antibody detected the CLSTN2 protein (arrow).

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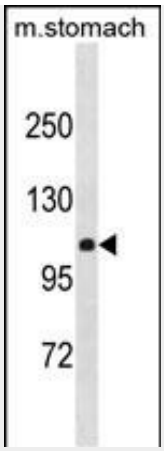


CLSTN2 Antibody (Center) (Cat. #AP19746c) western blot analysis in mouse stomach tissue lysates (35ug/lane).This demonstrates the CLSTN2 antibody detected the CLSTN2 protein (arrow).

**CLSTN2 Antibody(Center) - Background**

CLSTN2 may modulate calcium-mediated postsynaptic signals (By similarity).

**CLSTN2 Antibody(Center) - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
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Zhang, H., et al. Neuropsychopharmacology 34(12):2508-2516(2009)
Henckaerts, L., et al. Clin. Gastroenterol. Hepatol. 7(9):972-980(2009)
Jacobsen, L.K., et al. Biol. Psychiatry 65(8):671-679(2009)