10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# CLSTN2 Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19746c

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q9H4D0 |
| **Other Accession** | NP_071414.2 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Canine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB41760 |
| **Calculated MW** | 107006 |
| **Antigen Region** | 743-770 |

## Additional Information

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| **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. |

## Protein Information

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| **Name** | CLSTN2 ( HGNC:17448) |
| **Synonyms** | CS2 |
| **Function** | Postsynaptic adhesion molecule that binds to presynaptic neurexins to |

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| | 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. |

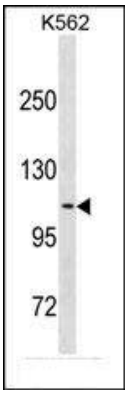
## Background

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

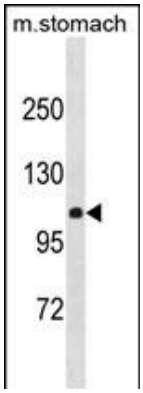
## References


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Preuschhof, C., et al. Neuropsychologia 48(2):402-408(2010)
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)


## 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).




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).

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