

# CLSTN2 Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19746c

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9H4D0</a>
<b>Other Accession</b>	<a href="#">NP_071414.2</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB41760
<b>Calculated MW</b>	107006
<b>Antigen Region</b>	743-770

## Additional Information

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<b>Gene ID</b>	64084
<b>Other Names</b>	Calsyntenin-2, Alcadin-gamma, Alc-gamma, CLSTN2, CS2
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	CLSTN2 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CLSTN2 ( <a href="#">HGNC:17448</a> )
<b>Synonyms</b>	CS2
<b>Function</b>	Postsynaptic adhesion molecule that binds to presynaptic neuroligins 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.

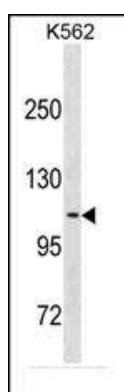
## Background

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

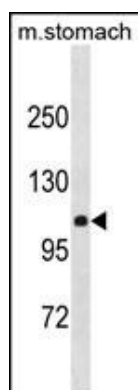
## References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
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).