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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

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}

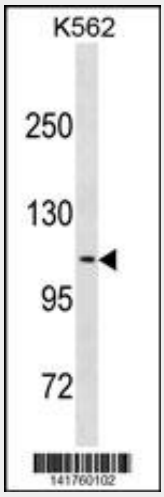
Tissue Location
Restricted to the brain.

CLSTN2 Antibody(Center) - Protocols

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

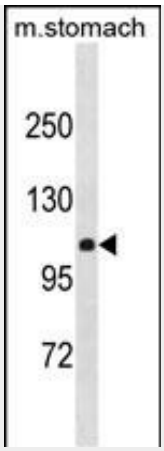
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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) :
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)