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CTTNBP2NL Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12725a

Product Information

Application	IHC-P, WB, E
Primary Accession	Q9P2B4
Other Accession	Q99LJ0, NP_061174.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32341
Calculated MW	70158
Antigen Region	135-164

Additional Information

Gene ID	55917
Other Names	CTTNBP2 N-terminal-like protein, CTTNBP2NL, KIAA1433
Target/Specificity	This CTTNBP2NL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 135-164 amino acids from the N-terminal region of human CTTNBP2NL.
Dilution	IHC-P~~1:100~500 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	CTTNBP2NL Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CTTNBP2NL (HGNC:25330)
Synonyms	KIAA1433
Function	Regulates lamellipodial actin dynamics in a CTTN-dependent manner (By

similarity). Associates with core striatin-interacting phosphatase and kinase (STRIPAK) complex to form CTTNBP2NL-STRIPAK complexes. STRIPAK complexes have critical roles in protein (de)phosphorylation and are regulators of multiple signaling pathways including Hippo, MAPK, nuclear receptor and cytoskeleton remodeling. Different types of STRIPAK complexes are involved in a variety of biological processes such as cell growth, differentiation, apoptosis, metabolism and immune regulation (PubMed:18782753).

Cellular Location Cell projection, lamellipodium {ECO:0000250|UniProtKB:Q8SX68}. Cytoplasm, cytoskeleton, stress fiber {ECO:0000250|UniProtKB:Q99LJ0}

Background

CTTNBP2NL may bind to cortactin, which is a monomeric protein located in the cytoplasm of cells that can be activated by external stimuli to promote polymerization and rearrangement of the actin cytoskeleton, especially the actin cortex around the cellular periphery. The striatin-interacting phosphatase and kinase (STRIPAK) complex establishes mutually exclusive interactions with either CTTNBP2 or CTTNBP2NL.

References

Goudreault, M., et al. Mol. Cell Proteomics 8(1):157-171(2009)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)
Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004)
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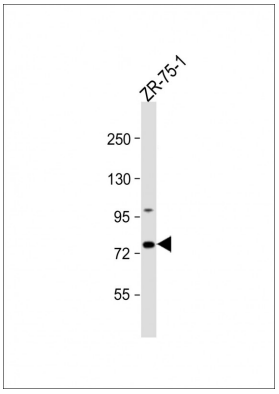
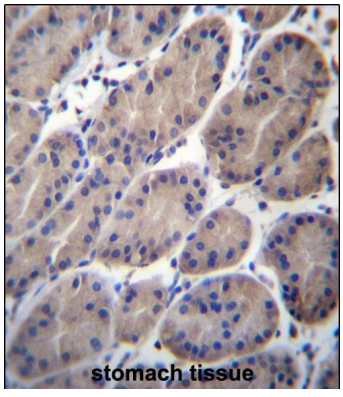
Images

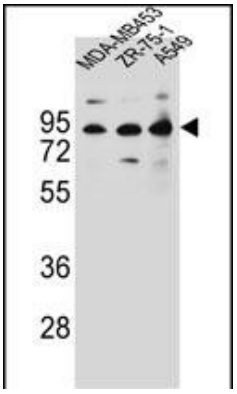


Anti-CTTNBP2NL Antibody (N-term) at 1:1000 dilution + ZR-75-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 70 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



CTTNBP2NL Antibody (N-term) (Cat. #AP12725a)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CTTNBP2NL Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

CTTNBP2NL Antibody (N-term) (Cat. #AP12725a) western blot analysis in MDA-MB453,ZR-75-1,A549 cell line lysates



(35ug/lane).This demonstrates the CTTNBP2NL antibody detected the CTTNBP2NL protein (arrow).