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CUZD1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11139b

Product Information

Application	IHC-P, IF, WB, E
Primary Accession	Q86UP6
Other Accession	NP_071317.2
Reactivity	Human
Predicted	Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68153
Antigen Region	579-607

Additional Information

Gene ID	50624
Other Names	CUB and zona pellucida-like domain-containing protein 1, CUB and ZP domain-containing protein 1, Transmembrane protein UO-44, CUZD1 {ECO:0000312|EMBL:CAH700061}
Target/Specificity	This CUZD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 579-607 amino acids from the C-terminal region of human CUZD1.
Dilution	IHC-P~~1:100~500 IF~~1:10~50 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	CUZD1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CUZD1 {ECO:0000312|EMBL:CAH70006.1}
Function	Localized to zymogen granules, where it functions in trypsinogen activation

	(By similarity). May indirectly regulate cell motility, cell-cell and cell/extracellular matrix interactions (PubMed:15184879).
Cellular Location	Zymogen granule membrane {ECO:0000250|UniProtKB:P70412}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P70412}
Tissue Location	Detected in pancreas and epithelium of ovary. Expressed at higher levels in ovarian tumors than in normal tissue

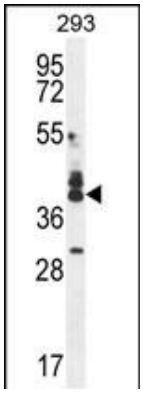
Background

Potent and specific cellular inhibitor of CaM-kinase II (CAMK2). Traps Ca(2+)/calmodulin on CAMK2. May play an important role in the regulation of cell growth when overexpressed in colon adenocarcinoma LoVo cells. Traps Ca(2+)/calmodulin on CAMK2.

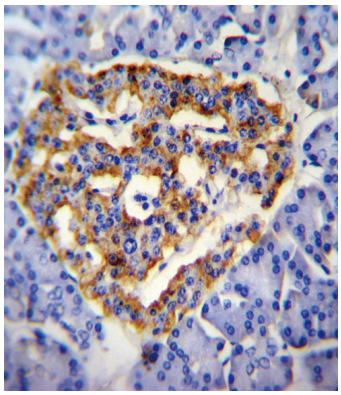
References

Leong, C.T., et al. Oncogene 26(6):870-880(2007) Blanchetot, C., et al. Methods 35(1):44-53(2005) Leong, C.T., et al. Oncogene 23(33):5707-5718(2004) Deloukas, P., et al. Nature 429(6990):375-381(2004) Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)

Images

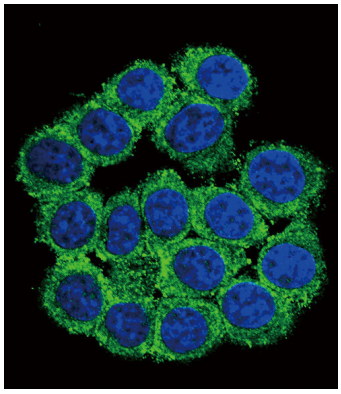


CUZD1 Antibody (C-term) (Cat. #AP11139b) western blot analysis in human normal uterus tissue lysates (35ug/lane).This demonstrates the CUZD1 antibody detected the CUZD1 protein (arrow).



CUZD1 Antibody (C-term) (Cat. #AP11139b)immunohistochemistry analysis in formalin fixed and paraffin embedded human pancrease tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CUZD1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Confocal immunofluorescent analysis of CUZD1 Antibody (C-term)(Cat#AP11139b) with 293 cell followed by Alexa Fluor? 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



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