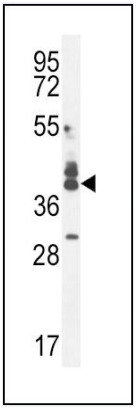
CUZD1 Antibody – Rabbit Polyclonal

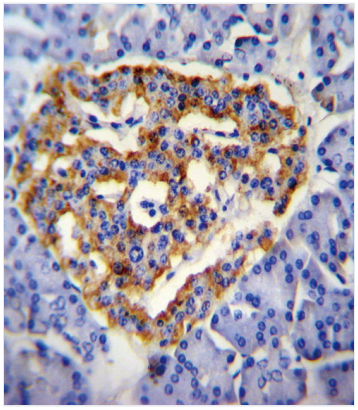
PRODUCT OVERVIEW

Product Name	CUZD1, Polyclonal Antibody
Full Product Name	CUZD1, CT (CUZD1, CUB and zona pellucida-like domain-containing protein 1, Transmembrane protein UO-44) (Azide free) (HRP)
Product Gene Name	anti-CUZD1 antibody
Product Synonym Names	CUZD1; CUB and zona pellucida-like domain-containing protein 1; Transmembrane protein UO-44
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	27,486 Da
OMIM	AY260047 mRNA
3D Structure	ModBase 3D Structure for Q86UP6
Immunogen	CUZD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 586-614 amino acids from the C-terminal region of human CUZD1.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-CUZD1 antibody	Antibodies; Transmembrane Proteins
Applications Tested/Suitable for anti-CUZD1 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-CUZD1 antibody	IHC: 1:50-100 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-CUZD1 antibody	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.
Product References and Citations for anti-CUZD1 antibody	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).

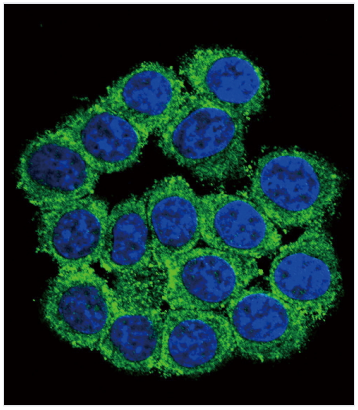
Other Notes	Small volumes of anti-CUZD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CUZD1 purchase	MBS6290126 is an antibody targeting CUZD1. Also known as CUZD1, CT (CUZD1, CUB and zona pellucida-like domain-containing protein 1, Transmembrane protein UO-44) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CUZD1 antibody
CUZD1 Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the CUZD1 antibody detected the CUZD1 protein (arrow).



Immunohistochemistry (IHC) of anti-CUZD1 antibody
CUZD1 Antibody (C-term) 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.



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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CUZD1. It may not necessarily be applicable to this product.

NCBI GI #	30520377
NCBI GeneID	50624
NCBI Accession #	NP_071317.2
UniProt Primary Accession #	Q86UP6
UniProt Secondary Accession #	Q7Z660; Q7Z661; Q86SG1; Q86UP5; Q9HAR7; A8K080; B2RN93; D3DRE5
UniProt Related Accession #	Q86UP6
GenBank Nucleotide #	NM_022034.5
NCBI Official Full Name	CUB and zona pellucida-like domain-containing protein 1

NCBI Official Synonym Full Names	CUB and zona pellucida like domains 1
NCBI Official Symbol	CUZD1
NCBI Official Synonym Symbols	ERG1; ERG-1; UO-44; ITMAP1
UniProt Protein Name	CUB and zona pellucida-like domain-containing protein 1
UniProt Synonym Protein Names	Transmembrane protein UO-44
Protein Family	CUB and zona pellucida-like domain-containing protein
UniProt Gene Name	CUZD1
UniProt Synonym Gene Names	CUB and ZP domain-containing protein 1
NCBI Protein Information	CUB and zona pellucida-like domain-containing protein 1
UniProt Comments for CUZD1	CUZD1 antiserum inhibits cell attachment and proliferation of ovarian cancer cells so may be involved in these processes. May also play a role in the uterus during late pregnancy and/or in trypsin activation in pancreatic acinar cells.
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