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ANXA13 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19526a

Product Information

Application	WB, E
Primary Accession	P27216
Other Accession	NP_004297.2
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30663
Calculated MW	35415
Antigen Region	1-30

Additional Information

Gene ID	312
Other Names	Annexin A13, Annexin XIII, Annexin-13, Intestine-specific annexin, ISA, ANXA13, ANX13
Target/Specificity	This ANXA13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human ANXA13.
Dilution	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	ANXA13 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ANXA13
Synonyms	ANX13

Function	[Isoform A]: Binds to membranes enriched in phosphatidylserine or phosphatidylglycerol in a calcium-dependent manner (PubMed:27676605, PubMed:30610115). Half-maximal membrane binding requires about 60 uM calcium. Does not bind to membranes that lack phospholipids with an acidic headgroup (PubMed:27676605).
Cellular Location	Apical cell membrane. Cell membrane; Lipid-anchor. Cytoplasmic vesicle {ECO:0000250|UniProtKB:Q99JG3}. Note=Myristoylation anchors the protein to the membrane, but the protein also displays calcium-dependent, reversible binding to lipid membranes (PubMed:30610115). Associated with the plasma membrane of undifferentiated, proliferating crypt epithelial cells as well as differentiated villus enterocytes (PubMed:1530946).
Tissue Location	Detected in epithelial cells in colon and jejunum (at protein level). Detected in epithelial cells in jejunum

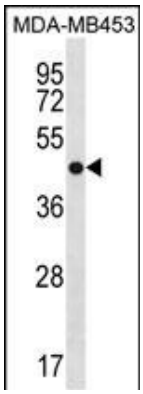
Background

This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. The specific function of this gene has not yet been determined; however, it is associated with the plasma membrane of undifferentiated, proliferating endothelial cells and differentiated villus enterocytes. Alternatively spliced transcript variants encoding different isoforms have been identified.

References

Reiske, H., et al. Anal. Quant. Cytol. Histol. 32(2):61-69(2010)
Anderson, N.L., et al. Mol. Cell Proteomics 3(4):311-326(2004)
Iglesias, J.M., et al. Mol. Biol. Evol. 19(5):608-618(2002)
Noda, Y., et al. J. Cell Biol. 155(1):77-88(2001)
Plant, P.J., et al. J. Cell Biol. 149(7):1473-1484(2000)

Images



ANXA13 Antibody (N-term) (Cat. #AP19526a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the ANXA13 antibody detected the ANXA13 protein (arrow).

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