

# ANXA13 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19526a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P27216</a>
<b>Other Accession</b>	<a href="#">NP_004297.2</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB30663
<b>Calculated MW</b>	35415
<b>Antigen Region</b>	1-30

## Additional Information

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<b>Gene ID</b>	312
<b>Other Names</b>	Annexin A13, Annexin XIII, Annexin-13, Intestine-specific annexin, ISA, ANXA13, ANX13
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	ANXA13 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ANXA13
<b>Synonyms</b>	ANX13
<b>Function</b>	[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

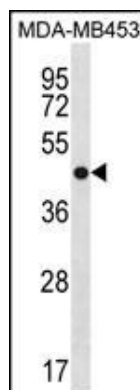
## Background

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'.