

Annexin IV Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56051

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P09525
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35883
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Annexin IV
Epitope Specificity	210-319/319
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the annexin family. Contains 4 annexin repeats.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The Annexins are a family of structurally similar proteins. Annexins bind to phospholipids and may be involved in regulation of membrane transport, membrane channel activity, and interaction of the cell membrane with the extracellular matrix. Annexin A4 (ANXA4) belongs to the annexin family of calcium dependent phospholipid binding proteins. Although their functions are still not clearly defined, several members of the annexin family have been implicated in membrane related events along exocytotic and endocytotic pathways. ANXA4 has 45 to 59% identity with other members of its family and shares a similar size and exon intron organization. Isolated from human placenta, ANXA4 encodes a protein that has possible interactions with ATP, and has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. ANXA4 is almost exclusively expressed in epithelial cells.

Additional Information

Gene ID	307
Other Names	Annexin A4, 35-beta calcimedlin, Annexin IV, Annexin-4, Carbohydrate-binding protein p33/p41, Chromobindin-4, Endonexin I, Lipocortin IV, P32.5, PP4-X, Placental anticoagulant protein II, PAP-II, Protein II, ANXA4, ANX4
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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Protein Information

Name	ANXA4 (HGNC:542)
Synonyms	ANX4
Function	Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.
Cellular Location	Zymogen granule membrane {ECO:0000250 UniProtKB:P50994}; Peripheral membrane protein {ECO:0000250 UniProtKB:P50994}

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