

ANXA9 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17062c

Product Information

Application	WB, E
Primary Accession	O76027
Other Accession	NP_003559.2
Reactivity	Human
Predicted	Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36914
Calculated MW	38364
Antigen Region	208-235

Additional Information

Gene ID	8416
Other Names	Annexin A9, Annexin XXXI, Annexin-31, Annexin-9, Pemphaxin, ANXA9, ANX31
Target/Specificity	This ANXA9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 208-235 amino acids from the Central region of human ANXA9.
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	ANXA9 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ANXA9 (HGNC:547)
Function	Plays a role in epidermal differentiation (PubMed: 10899159). Can bind acetylcholine (PubMed: 10899159).

Cellular Location	Lateral cell membrane {ECO:0000250 UniProtKB:Q9JHQ0}
Tissue Location	Expressed in the stratified squamous skin epithelium, but not in epithelia of other types (at protein level)

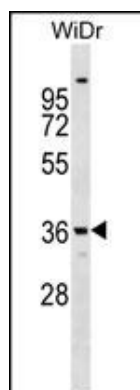
Background

The annexins are a family of calcium-dependent phospholipid-binding proteins. Members of the annexin family contain 4 internal repeat domains, each of which includes a type II calcium-binding site. The calcium-binding sites are required for annexins to aggregate and cooperatively bind anionic phospholipids and extracellular matrix proteins. This gene encodes a divergent member of the annexin protein family in which all four homologous type II calcium-binding sites in the conserved tetrad core contain amino acid substitutions that ablate their function. However, structural analysis suggests that the conserved putative ion channel formed by the tetrad core is intact.

References

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 Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)
 Goebeler, V., et al. FEBS Lett. 546 (2-3), 359-364 (2003) :
 Nguyen, V.T., et al. J. Biol. Chem. 275(38):29466-29476(2000)
 Morgan, R.O., et al. Gene 227(1):33-38(1999)

Images



ANXA9 Antibody (Center) (Cat. #AP17062c) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the ANXA9 antibody detected the ANXA9 protein (arrow).

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