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Datasheet for ABIN3043783

anti-Annexin a1 antibody (AA 2-346)

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Overview

Quantity:	100 µg
Target:	Annexin a1 (ANXA1)
Binding Specificity:	AA 2-346
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Annexin a1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Annexin A1(ANXA1) detection. Tested with WB, IHC-P, IHC-F in Human,Mouse,Rat.
Immunogen:	E.coli-derived human Annexin A1 recombinant protein (Position: A2-N346). Human Annexin A1 shares 88% and 89% amino acid (aa) sequences identity with mouse and rat Annexin A1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Annexin A1(ANXA1) detection. Tested with WB, IHC-P, IHC-F in Human,Mouse,Rat. Gene Name: annexin A1

Product Details

Protein Name: Annexin A1

Purification: Immunogen affinity purified.

Target Details

Target: Annexin a1 (ANXA1)

Alternative Name: ANXA1 ([ANXA1 Products](#))

Background: ANXA1, also known as lipocortin I or Annexin A1, is a protein that in humans is encoded by the ANXA1 gene. It is mapped to 9q21.13. ANXA1 belongs to a family of Ca(2+)-dependent phospholipid binding proteins which have a molecular weight of approximately 35,000 to 40,000 and are preferentially located on the cytosolic face of the plasma membrane. ANXA1 protein has an apparent relative molecular mass of 40 kDa, with phospholipase A2 inhibitory activity. Lower peptide concentrations possibly found in inflammatory situations elicit Ca(2+) transients without fully activating the mitogen-activated protein kinase pathway. This causes a specific inhibition of the transendothelial migration of neutrophils and a desensitization of neutrophils toward a chemoattractant challenge. These findings identified ANXA1 peptides as novel, endogenous FPR ligands and established a mechanistic basis of ANXA1-mediated antiinflammatory effects.

Synonyms: Annexin 1 antibody|Annexin A1 antibody|Annexin I (lipocortin I) antibody|Annexin I antibody|Annexin-1 antibody|AnnexinA1 antibody|AnnexinI antibody|ANX 1 antibody|ANX A1 antibody|ANX1 antibody|ANXA 1 antibody|ANXA1 antibody|ANXA1 protein antibody|ANXA1_HUMAN antibody|Calpactin 2 antibody|Calpactin II antibody|Calpactin-2 antibody|CalpactinII antibody|Chromobindin 9 antibody|Chromobindin-9 antibody|Chromobindin9 antibody|Lipocortin 1 antibody|Lipocortin I antibody|Lipocortin1 antibody|LipocortinI antibody|LPC 1 antibody|LPC1 antibody|p35 antibody|Phospholipase A2 inhibitory protein antibody

Gene ID: 301

UniProt: [P04083](#)

Pathways: [Hormone Transport](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for Annexin A1 is approximately 0.25 ng/lane under reducing conditions.

Application Details

IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Mouse

Notes: Tested Species: Species with positive results. Other applications have not been tested.

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and IHC(F).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

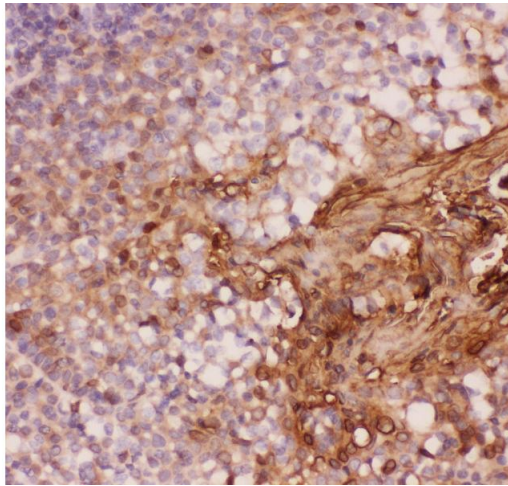
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

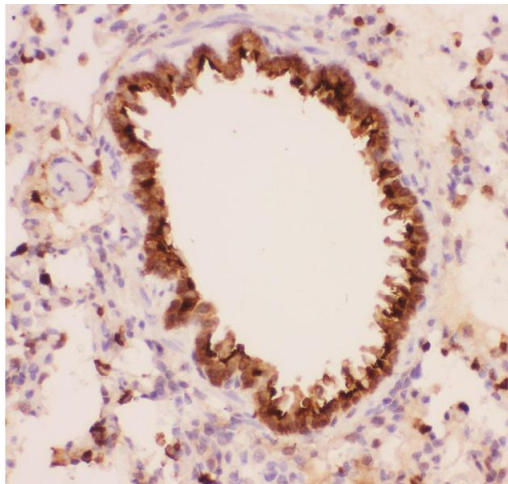
Publications

Product cited in: Li, Zhao, Qi, Wang, Zhang, Li, Qin: "lncRNA Ftx promotes aerobic glycolysis and tumor progression through the PPAR γ pathway in hepatocellular carcinoma." in: **International journal of oncology**, Vol. 53, Issue 2, pp. 551-566, (2018) ([PubMed](#)).



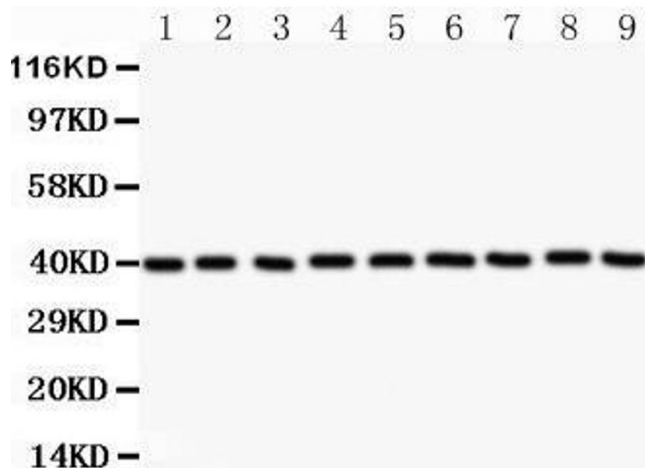
Immunohistochemistry

Image 1. Anti-Annexin A1 Picoband antibody, IHC(P):
Human Tonsil Tissue



Immunohistochemistry

Image 2. Anti-Annexin A1 Picoband antibody, IHC(P): Rat
Lung Tissue



Western Blotting

Image 3.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043783.