

Annexin I (ABT-ANXA1) Mouse mAb

CatalogNo: YM4915 **Recombinant** 

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse, Rat

Applications

- IHC, WB, IF, ELISA

MW

- 38kD (Calculated)
37kD (Observed)

Isotype

- Mouse IgG1/Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:500-2000

IF 1:100-500

ELISA 1:1000-5000

Basic Information

Clonality Monoclonal

Clone Number ABT-ANXA1

Immunogen Information

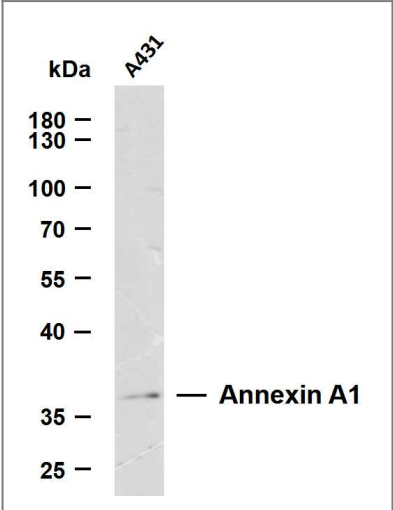
Immunogen Synthesized peptide derived from human Annexin A1 AA range: 250-346

Specificity This antibody detects endogenous levels of Annexin A1 protein.

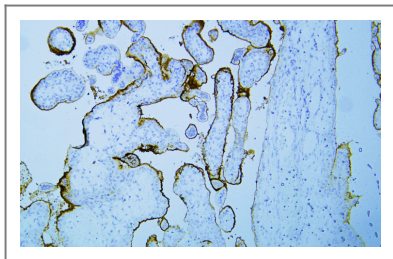
Target Information

Gene name	ANXA1 ANX1 LPC1		
Protein Name	Annexin A1 (Annexin I) (Annexin-1) (Calpactin II) (Calpactin-2) (Chromobindin-9) (Lipocortin I) (Phospholipase A2 inhibitory protein) (p35)		
	Organism	Gene ID	UniProt ID
	Human	301 ;	P04083 ;
Cellular Localization	Cytoplasmic, Nuclear		
Tissue specificity	Detected in resting neutrophils (PubMed:10772777). Detected in peripheral blood T-cells (PubMed:17008549). Detected in extracellular vesicles in blood serum from patients with inflammatory bowel disease, but not in serum from healthy donors (PubMed:25664854). Detected in placenta (at protein level) (PubMed:2532504). Detected in liver.		
Function	Domain:A pair of annexin repeats may form one binding site for calcium and phospholipid.,Function:Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis. This protein regulates phospholipase A2 activity. It seems to bind from two to four calcium ions with high affinity.,PTM:Phosphorylated by protein kinase C, epidermal growth factor receptor/kinase and TRPM7. Phosphorylation results in loss of the inhibitory activity.,similarity:Belongs to the annexin family.,similarity:Contains 1 annexin repeat.,similarity:Contains 2 annexin repeats.,similarity:Contains 4 annexin repeats.,subcellular location:Found in the cilium, nucleus and basolateral cell membrane of ciliated cells in the tracheal endothelium (By similarity). Found in the cytoplasm of type II pneumocytes and alveolar macrophages.,subunit:Homodimer in placenta (20%); linked by transglutamylation. Interacts with DYSF.,		

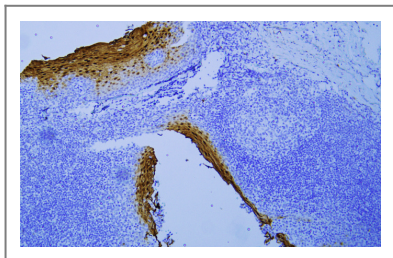
Validation Data



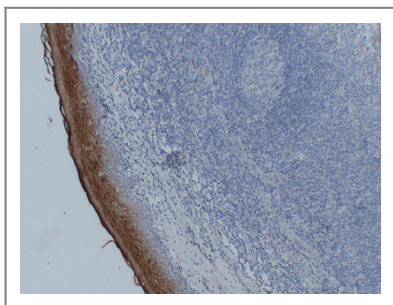
Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Annexin A1 (ABT-ANXA1) antibody. The HRP-conjugated Goat anti-Mouse IgG (H + L) antibody was used to detect the antibody. Lane 1: A431



Human placenta tissue was stained with Anti-Annexin A1 (ABT-ANXA1) Antibody



Human tonsil tissue was stained with Anti-Annexin A1 (ABT-ANXA1) Antibody



Immunohistochemical analysis of paraffin-embedded Tonsil. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA, pH 8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min).

Contact information

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Please scan the QR code to access additional product information:
Annexin I (ABT-ANXA1) Mouse mAb

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