

## Basic Information

Product Name	Anti-Annexin A1/ANXA1 Antibody	
Gene Name	ANXA1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, IP	
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Annexin A1.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	37 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 ImmunoPrecipitation (IP): 1:50 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

## Storage

12 months from date of receipt, -20°C as supplied.

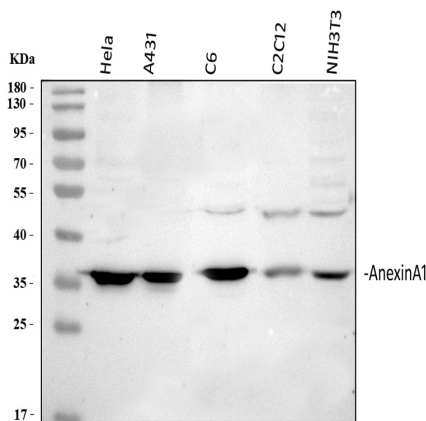
## Background Information

Annexin I, also known as lipocortin I (Lipo1), belongs to the family of annexins. These proteins are thought to control the biosynthesis of the potent mediators of inflammation, prostaglandins and leukotrienes. In two lipocortins (I and II) a short amino-terminal sequence distinct from the core structure has potential regulatory functions which are dependent on its phosphorylation state. The gene in the mouse encodes a protein of 346 amino acid residues. Mouse Lipo1 gene spans about 17 kb and is divided into 13 exons. Annexin I gene, mapped to 9q11-q22, is located on mouse chromosome 19. Annexin I acts through the formyl peptide receptor on human neutrophils. Peptides derived from the unique N-terminal domain of annexin I serve as FPR ligands and trigger different signaling pathways in a dose-dependent manner.

## Reference

Anti-Annexin A1/ANXA1 Antibody被引用在3文献中。

## Selected Validation Data



Western blot analysis of Annexin A1/ANXA1 using anti-Annexin A1/ANXA1 antibody (BA0640). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HeLa whole cell lysates,

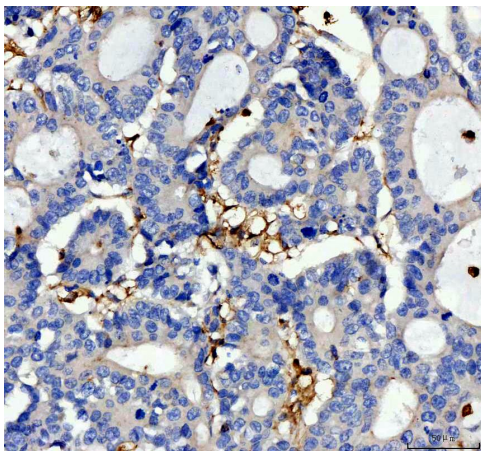
Lane 2: human A431 whole cell lysates,

Lane 3: rat C6 whole cell lysates,

Lane 4: mouse C2C12 whole cell lysates,

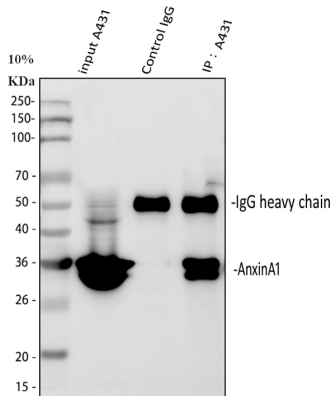
Lane 5: mouse NIH/3T3 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Annexin A1/ANXA1 antigen affinity purified polyclonal antibody (BA0640) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Annexin A1/ANXA1 at approximately 37 kDa. The expected band size for Annexin A1/ANXA1 is at 39 kDa.



IHC analysis of Annexin A1/ANXA1 using anti-Annexin A1/ANXA1 antibody (BA0640).

Annexin A1/ANXA1 was detected in a paraffin-embedded section of human colon cancer tissue. The tissue section was incubated with rabbit anti-Annexin A1/ANXA1 Antibody (BA0640) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.



IP analysis of Annexin A1/ANXA1 using anti-Annexin A1/ANXA1 antibody (BA0640) in A431 whole cell lysate.

Western blot analysis of Annexin A1/ANXA1 using anti-Annexin A1/ANXA1 antibody (BA0640).

Lane 1: A431 whole cell lysates(30ug),

Lane 2: Rabbit control IgG instead of anti-Annexin A1/ANXA1 antibody in A431 whole cell lysate,

Lane 3: anti-Annexin A1/ANXA1 antibody (2μg) + A431 whole cell lysate (500μg).

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Annexin A1/ANXA1 antigen affinity purified polyclonal antibody (BA0640) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Annexin A1/ANXA1 at approximately 37 kDa. The expected band size for Annexin A1/ANXA1 is at 39 kDa.