Product datasheet

Anti-Annexin A1/ANXA1 Antibody

Catalog Number: *BA3701*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
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Basic Information

Product Name	Anti-Annexin A1/ANXA1 Antibody
Gene Name	ANXA1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, monkey
Tested Application	WB, IHC, ICC/IF, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 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	39 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (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℃ as supplied.

Background Information

Annexin I, also known as lipocortin I(Lipo1), belongs to the family of annexins. These proteins are though 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.

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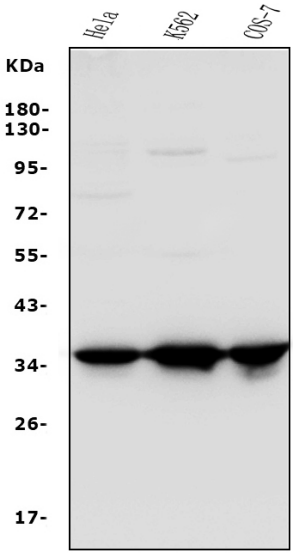
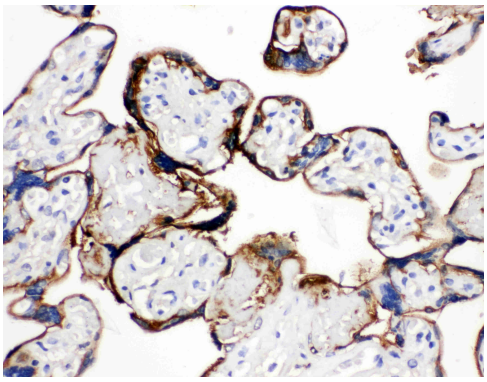
Reference

Anti-Annexin A1/ANXA1 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of Annexin A1/ANXA1 using anti-Annexin A1/ANXA1 antibody (BA3701). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: HELA whole cell lysates,
Lane 2: K562 whole cell lysates,
Lane 3: monkey COS-7 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 (BA3701) 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 39 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 (BA3701).
Annexin A1/ANXA1 was detected in a paraffin-embedded section of human placenta tissue. The tissue section was incubated with rabbit anti-Annexin A1/ANXA1 Antibody (BA3701) 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.

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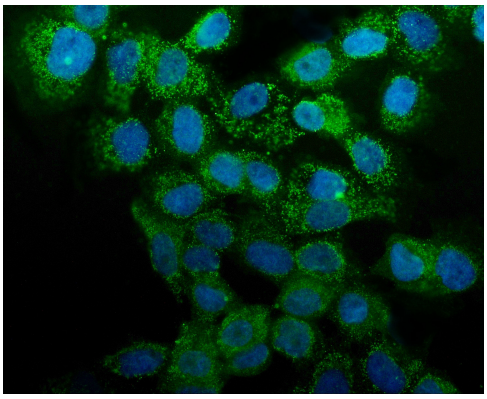
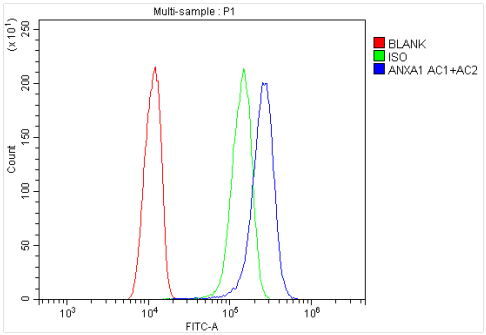


IF analysis of Annexin A1/ANXA1 using anti-Annexin A1/ANXA1 antibody (BA3701).
Annexin A1/ANXA1 was detected in an immunocytochemical section of A431 cells. The section was incubated with rabbit anti-Annexin A1/ANXA1 Antibody (BA3701) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of A431 cells using anti-Annexin A1/ANXA1 antibody (BA3701).
Overlay histogram showing A431 cells stained with BA3701 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Annexin A1/ANXA1 Antibody (BA3701) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.