

Product datasheet

Anti-Annexin A1/ANXA1 antibody ab88865

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Overview

Product name	Anti-Annexin A1/ANXA1 antibody
Description	Mouse polyclonal to Annexin A1/ANXA1
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein within Human Annexin A1/ANXA1. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements.
Positive control	Human spleen tissue lysate, Annexin A1 transfected 293T cell lysate, Human endometrium tissue and HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab88865 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		
IHC-P		
ICC/IF		

Application notes

ICC/IF: Use at a concentration of 10 µg/ml.

IHC-P: Use at a concentration of 3 µg/ml. Perform heat mediated antigen retrieval via the microwave method in 1X citrate buffer (pH 6.0) before commencing with IHC staining protocol.

WB: Use at a concentration of 1 µg/ml. Predicted molecular weight: 39 kDa.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

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.

Sequence similarities

Belongs to the annexin family.

Contains 4 annexin repeats.

Domain

A pair of annexin repeats may form one binding site for calcium and phospholipid.

Post-translational modifications

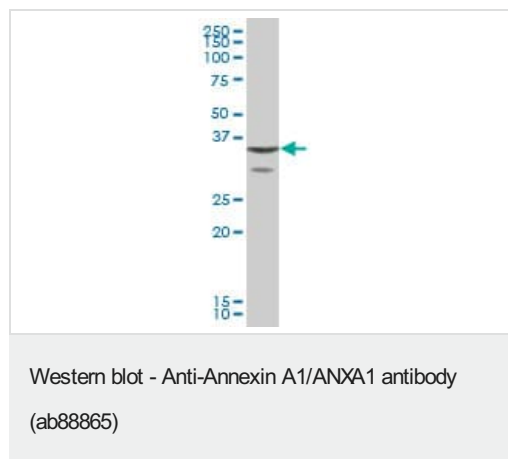
Phosphorylated by protein kinase C, epidermal growth factor receptor/kinase and TRPM7.

Phosphorylation results in loss of the inhibitory activity.

Cellular localization

Nucleus. Cytoplasm. Cell projection > cilium. Basolateral cell membrane. 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.

Images

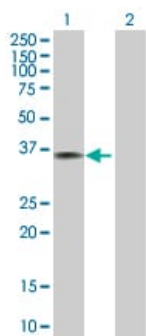


Anti-Annexin A1/ANXA1 antibody (ab88865) at 1 µg/ml + human spleen tissue lysate at 50 µg

Predicted band size: 39 kDa

Observed band size: 35 kDa

Additional bands at: 30 kDa. We are unsure as to the identity of these extra bands.



Western blot - Anti-Annexin A1/ANXA1 antibody
(ab88865)

All lanes : Anti-Annexin A1/ANXA1 antibody (ab88865) at 1 µg/ml

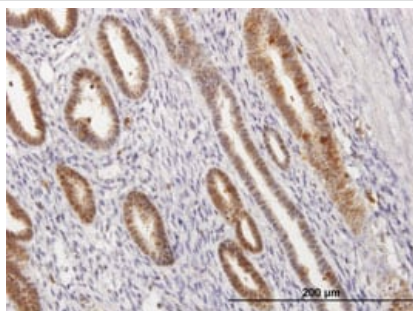
Lane 1 : Annexin A1 transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

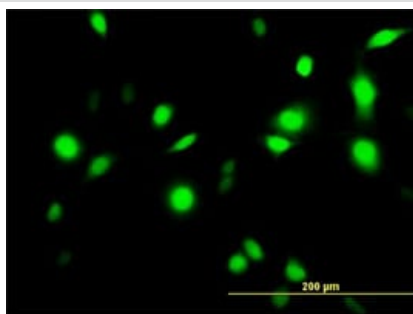
Predicted band size: 39 kDa

Observed band size: 36 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody (ab88865)

ab88865, at 3 µg/ml staining Annexin A1 in formalin-fixed, paraffin-embedded human endometrium by Immunohistochemistry.



Immunocytochemistry/ Immunofluorescence - Anti-Annexin A1/ANXA1 antibody (ab88865)

ab88865, at 10 µg/ml staining Annexin A1 in HeLa cells by Immunofluorescence.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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