Annexin A1
Polyclonal ANTIBODY

Catalog Number: 21990-1-AP

Basic Information

Catalog Number: 21990-1-AP
Size: 43 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification

Immunoegen Catalog Number: AG17273
GenBank Accession Number: BC001275
GeneID (NCBI): 301
Full Name: Annexin A1
Calculated MW: 346 aa, 39 kDa
Observed MW: 37 kDa

Recommended Dilutions:
- WB: 1:1000-1:4000
- IP: 0.5-4.0 μg for IP and 1:1000-1:4000 for WB
- IHC: 1:30-1:300
- IF: 1:20-1:200

Expected Applications:
- IF, IHC, IP, WB, ELISA

Species Specificity:
- human, mouse, rat

Cited Species:
- human, mouse, rat

Note: IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Storage:
- Store at -20°C. Stable for one year after shipment.

Recommended Storage Buffer:
- PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage.

For Research Use Only

For technical support and original validation data for this product, please contact:
E: proteintech@ptglab.com
W: ptglab.com

Note: This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

For information on how to purchase, please contact:
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Background Information

ANXA1, also named as ANX5, LPC1 and p35, belongs to the annexin family. It is a member of the annexin family of Ca2+-binding and phospholipid-binding proteins, and it is particularly abundant in various populations of peripheral blood leukocytes. ANXA1 regulates phospholipase A2 activity. It seems to bind from two to four calcium ions with high affinity. ANXA1 is a pleiotrophic protein produced by many cell types including peripheral blood leukocytes.

Notable Publications

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<td>Chuiming Jia</td>
<td>30252410</td>
<td>Biochem Biophys Res Commun</td>
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<td>Yu Lin</td>
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<td>Yao Ge</td>
<td>30022413</td>
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ANXA1 is predominantly expressed in cells of the peripheral blood leukocyte lineage. It regulates phospholipase A2 activity and seems to bind from two to four calcium ions with high affinity. ANXA1 is a pleiotrophic protein produced by many cell types including peripheral blood leukocytes.
Selected Validation Data

**WB result of 21990-1-AP (Annexin A1 antibody).**

**Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 21990-1-AP Annexin A1 antibody at dilution of 1:200 (under 10x lens).**

**Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 21990-1-AP Annexin A1 antibody at dilution of 1:200 (under 40x lens).**

**Immunofluorescent analysis of A431 cells using 21990-1-AP (Annexin A1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).**

**PC-3 cells were subjected to SDS PAGE followed by western blot with 21990-1-AP (Annexin A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.**