Annexin A3
Polyclonal ANTIBODY
Catalog Number: 11804-1-AP

Basic Information
Catalog Number: 11804-1-AP
Size: 50 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG2381

GenBank Accession Number: BC000871
GeneID (NCBI): 306
Full Name: annexin A3
Calculated MW: 322aa, 36 kDa
Observed MW: 36 kDa

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 μg for IP and 1:100-1:1000 for WB
IHC 1:100-1:200

Applications
Tested Applications:
IHC, IP, WB, ELISA
Cited Applications:
IF, IHC, WB
Species Specificity:
human, mouse, rat
Cited Species:
human, mouse, rat

Accepted Controls:
WB: HepG2 cells, HEK-293 cells, human brain tissue, human liver tissue
IP: mouse liver tissue
IHC: human liver cancer tissue, human colon cancer tissue, human liver tissue

Background Information
Annexin A3 (Anxa3), also named as lipocortin3, placental anticoagulant protein3 (PAP-III), belongs to annexin family. Annexins are calcium-dependent phospholipid-binding high-abundant intracellular proteins. ANXA3 has been reported to play crucial roles in a diverse range of molecular and cellular processes, including ion channel regulation, anticoagulation, anti-inflammation, vesicle trafficking, signal transduction, cell migration, and cell proliferation. It also exhibits important roles in cancer progression, metastasis, and drug resistance.

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hiroshi Nishiura</td>
<td>20000341</td>
<td>Immunobiology</td>
<td>WB</td>
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<tr>
<td>R Sartaj</td>
<td>2803424</td>
<td>Sci Rep</td>
<td>IF</td>
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<tr>
<td>Jia Xiaofang X</td>
<td>22680898</td>
<td>Proteome Sci</td>
<td>WB, IHC</td>
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Storage
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (312) 455-8498 (outside USA)
E proteintech@ptglab.com
W ptglab.com

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Selected Validation Data

HepG2 cells were subjected to SDS PAGE followed by western blot with 11804-1-AP Annexin A3 antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human liver cancer using 11804-1-AP/Annexin A3 antibody at dilution of 1:50 (under 10x lens).

Immunohistochemical of paraffin-embedded human liver cancer using 11804-1-AP/Annexin A3 antibody at dilution of 1:50 (under 40x lens).

IP Result of anti-Annexin A3 (IP: 11804-1-AP, 4ug; Detection: 11804-1-AP 1:500) with mouse liver tissue lysate 400ug.