

**Annexin A2 Antibody**  
Rabbit mAb  
Catalog # AP91291

## Specification

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### Annexin A2 Antibody - Product Information

Application **WB, IHC, FC, ICC**  
Primary Accession [P07355](#)  
Reactivity **Rat**  
Clonality **Monoclonal**

#### Other Names

Annexin A2; Annexin II; Annexin-2; Calpactin I heavy chain; PAP-IV; Protein I; p36; ANXA2; ANX2; ANX2L4; CAL1H; LPC2D; Annexin2; HEL S 270;

Isotype **Rabbit IgG**  
Host **Rabbit**  
Calculated MW **38604 Da**

### Annexin A2 Antibody - Additional Information

Purification **Affinity-chromatography**  
Immunogen **A synthesized peptide derived from human Annexin A2**  
Description **Originally identified as a protein inhibitor of phospholipase A2, annexin A2 has subsequently been shown to interact with an array of protein and non-protein partners, including F-actin, spectrin, SNARE complexes, RNA, and virus particles.**  
Storage Condition and Buffer **Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

### Annexin A2 Antibody - Protein Information

**Name** ANXA2

**Synonyms** ANX2, ANX2L4, CAL1H, LPC2D

#### Function

Calcium-regulated membrane-binding protein whose affinity for calcium is greatly enhanced by anionic phospholipids. It binds two calcium ions with high affinity. May be involved in heat-stress response. Inhibits PCSK9-enhanced LDLR degradation, probably reduces PCSK9 protein levels via a translational mechanism but also competes with LDLR for binding with PCSK9 (PubMed:<a href="http://www.uniprot.org/citations/18799458" target="\_blank">18799458</a>, PubMed:<a href="http://www.uniprot.org/citations/22848640" target="\_blank">22848640</a>, PubMed:<a href="http://www.uniprot.org/citations/22848640" target="\_blank">22848640</a>).

href="http://www.uniprot.org/citations/24808179" target="\_blank">24808179</a>).

#### Cellular Location

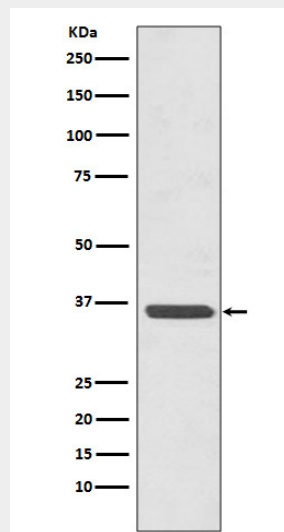
Secreted, extracellular space, extracellular matrix, basement membrane. Melanosome. Note=In the lamina beneath the plasma membrane. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Translocated from the cytoplasm to the cell surface through a Golgi-independent mechanism

#### Annexin A2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Annexin A2 Antibody - Images



Western blot analysis of Annexin A2 expression in HeLa cell lysate.