

**Annexin A2 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50977**

**Specification**

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**Annexin A2 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P07355</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>38 KDa</b>
Antigen Region	<b>101 - 160</b>

**Annexin A2 Antibody - Additional Information**

**Gene ID** 302

**Other Names**

Annexin A2, Annexin II, Annexin-2, Calpactin I heavy chain, Calpactin-1 heavy chain, Chromobindin-8, Lipocortin II, Placental anticoagulant protein IV, PAP-IV, Protein I, p36, ANXA2, ANX2, ANX2L4, CAL1H, LPC2D

**Target/Specificity**

KLH conjugated synthetic peptide derived from human Annexin A2

**Dilution**

WB~~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**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>, 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



Anti-Annexin A2 Antibody at 1:1000 dilution + K562 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 39,40 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

#### Annexin A2 Antibody - Background

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.

#### Annexin A2 Antibody - References

Huang K.-S., et al. Cell 46:191-199(1986).  
Spano F., et al. Gene 95:243-251(1990).

Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Bechtel S., et al. BMC Genomics 8:399-399(2007).  
Zody M.C., et al. Nature 440:671-675(2006).