

ANXA2 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP7420a

Specification

ANXA2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P07355](#)

ANXA2 Antibody (N-term) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody [AP7420a](/products/AP7420a) was selected from the N-term region of human ANXA2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ANXA2 Antibody (N-term) Blocking Peptide - 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:[18799458](http://www.uniprot.org/citations/18799458), PubMed:[22848640](http://www.uniprot.org/citations/22848640), PubMed:[24808179](http://www.uniprot.org/citations/24808179)).

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

ANXA2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ANXA2 Antibody (N-term) Blocking Peptide - Images**ANXA2 Antibody (N-term) Blocking Peptide - Background**

ANXA2 is a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption.

ANXA2 Antibody (N-term) Blocking Peptide - References

He, K.L., J. Biol. Chem. 283 (28), 19192-19200 (2008) Tamma, G., Pflugers Arch. 456 (4), 729-736 (2008) Gou, D., J. Biol. Chem. 283 (19), 13156-13164 (2008)