

ANXA2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7420b**Specification****ANXA2 Antibody (C-term) Blocking Peptide -
Product Information**Primary Accession [P07355](#)**ANXA2 Antibody (C-term) Blocking Peptide -
Additional Information**

Gene ID 302

Other NamesAnnexin 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 [AP7420b](/products/AP7420b) was selected from the C-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 (C-term) Blocking Peptide -
Protein Information****ANXA2 Antibody (C-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 (C-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)

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, PubMed:24808179, PubMed:22848640).

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 (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)