

Anti-Annexin A2 (pS26) Antibody

Rabbit polyclonal antibody to Annexin A2 (pS26) Catalog # AP59966

Specification

Anti-Annexin A2 (pS26) Antibody - Product Information

Application Primary Accession Other Accession Reactivity

Host Clonality Calculated MW WB, IP P07355 P07356 Human, Mouse, Rat, Monkey, Bovine, SARS, Dog Rabbit Polyclonal 38604

Anti-Annexin A2 (pS26) Antibody - Additional Information

Gene ID 302

Other Names ANX2; ANX2L4; CAL1H; LPC2D; 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

Target/Specificity Recognizes endogenous levels of Annexin A2 (pS26) protein.

Dilution WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IP~~N/A

Format Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

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

Anti-Annexin A2 (pS26) 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:18799458, PubMed:22848640, PubMed:24808179). Binds to endosomes damaged by phagocytosis of particulate wear debris and participates in endosomal membrane stabilization, thereby limiting NLRP3 inflammasome activation (By similarity). Required for endothelial cell surface plasmin generation and may support fibrinolytic surveillance and neoangiogenesis (By similarity).

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

Anti-Annexin A2 (pS26) Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-Annexin A2 (pS26) Antibody - Images



Western blot analysis of Annexin A2 (pS26) expression in mouse lung (A), rat lung (B), rat liver (C) whole cell lysates.

Anti-Annexin A2 (pS26) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Annexin A2 (pS26). The exact sequence is proprietary.