



Annexin II (phospho Ser26) Polyclonal Antibody

Catalog No	YP-Ab-03548
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ANXA2
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Annexin II (phospho Ser26)
Specificity	Phospho-Annexin II (S26) Polyclonal Antibody detects endogenous levels of Annexin II protein only when phosphorylated at S26.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Annexin A2;Annexin II;heavy chain;Annexin-2;ANX 2;ANX2;ANX2L4;ANXA2;ANXA2_HUMAN;arylsulfatase B;CAL1H;Calpactin I heavy chain;calpactin I heavy polypeptide (p36);Calpactin I heavy polypeptide;Calpactin-1 heavy chain;chromobindin 8;Chromobindin-8;Epididymis secretory protein Li 27;HEL S 27;LIP2;Lipocortin II;LPC2;LPC2D;p36;P36 protein;PAP-IV;Placental anticoagulant protein IV;Protein I
Observed Band	38kD
Calculated Molecular Weight	38kD
Cell Pathway	Secreted, extracellular space, extracellular matrix, basement membrane . Melanosome . 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.
Tissue Specificity	Brain,Colon,Colon adenocarcinoma,Epithelium,Osteosarcoma,Pancreas,Placenta,Prostate,Skin,Te



Function

domain: A pair of annexin repeats may form one binding site for calcium and phospholipid., 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., miscellaneous: It may cross-link plasma membrane phospholipids with actin and the cytoskeleton and be involved with exocytosis., online information: Red velvet - Issue 86 of September 2007, PTM: Phosphorylation of Tyr-24 enhances heat stress-induced translocation to the cell surface., similarity: Belongs to the annexin family., similarity: Contains 4 annexin repeats., subcellular location: 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., s

Background

This gene encodes 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. This gene has three pseudogenes located on chromosomes 4, 9 and 10, respectively. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

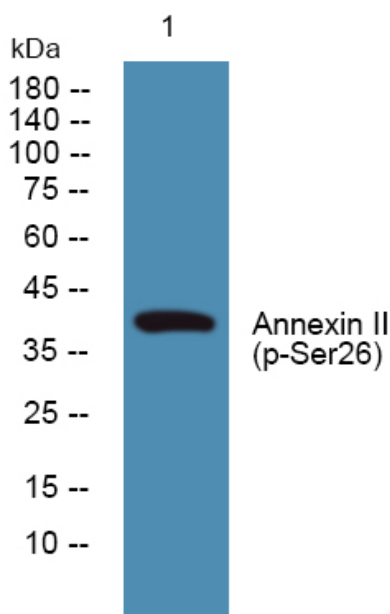
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4° over night