



Annexin II Polyclonal Antibody

Catalog No	YP-Ab-03702
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	ANXA2
Immunogen	The antiserum was produced against synthesized peptide derived from human Annexin II. AA range:88-137
Specificity	Annexin II Polyclonal Antibody detects endogenous levels of Annexin II protein.
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	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ANXA2;Annexin 2;Annexin II;Annexin-2;ANX2;Annexin A2;ANX2L4;CAL1H;LPC2D;Calpactin I heavy chain;Calpactin-1 heavy chain;Chromobindin-8;Lipocortin II;Placental anticoagulant protein IV;PAP-IV;Protein I;p36
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

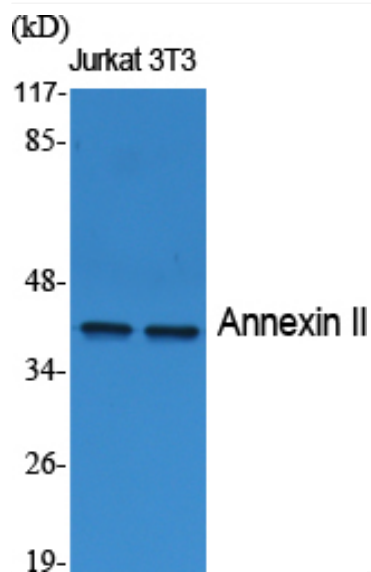
Avoid repeated freezing and thawing!

Usage suggestions

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



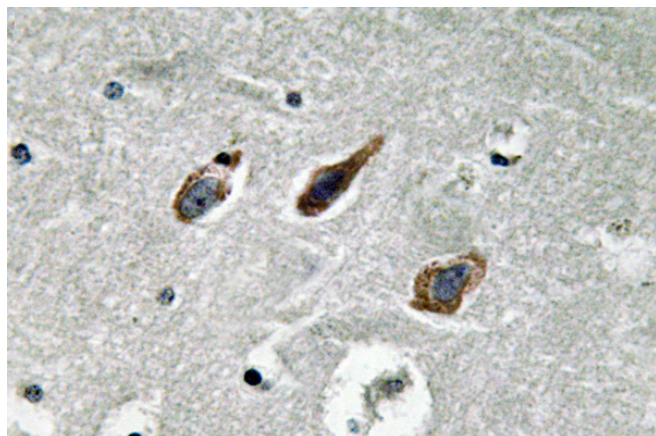
Products Images



Western Blot analysis of various cells using Annexin II Polyclonal Antibody diluted at 1:2000



Western Blot analysis of HeLa cells using Annexin II Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of Annexin II antibody in paraffin-embedded human brain tissue.



Western blot analysis of lysate from HeLa cells, using Annexin II antibody.

