
Product Name: Annexin II Rabbit Polyclonal Antibody**Catalog #: APRab06922**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	38kDa

Antigen Information

Gene Name	ANXA2 ANXA2; 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
Alternative Names	
Gene ID	302.0
SwissProt ID	P07355
Immunogen	The antiserum was produced against synthesized peptide derived from human Annexin II. AA range:88-137

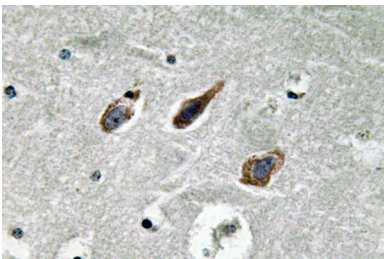
Background

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],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.,subunit:Heterotetramer containing 2 light chains of S100A10/p11 and 2 heavy chains of ANXA2/p36. Interacts with ATP1B1 and DYSF.,

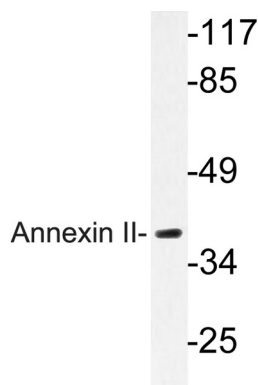
Research Area

Signal Transduction

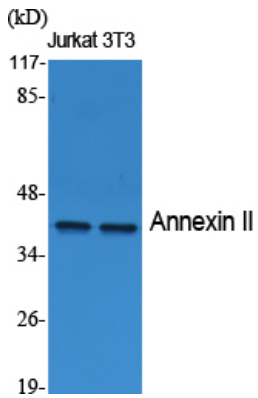
Image Data



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



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



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