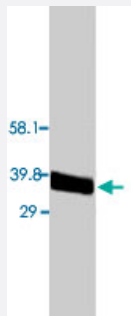


ANXA5 polyclonal antibody

Catalog # PAB7950

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate. Using ANXA5 polyclonal antibody (Cat # PAB7950) .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded rat cardiac muscle sections using ANXA5 polyclonal antibody (Cat # PAB7950) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ANXA5.
Immunogen	A synthetic peptide corresponding to amino acids at middle region of human ANXA5.
Host	Rabbit
Theoretical MW (kDa)	35.9
Reactivity	Human, Rat
Specificity	The synthetic peptide identical to the related rat and mouse sequence.
Form	Lyophilized

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (0.5 ug/mL) Immunocytochemistry (0.5 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate. Using ANXA5 polyclonal antibody (Cat # PAB7950) .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded rat cardiac muscle sections using ANXA5 polyclonal antibody (Cat # PAB7950) .

- Immunocytochemistry

Gene Info — ANXA5

Entrez GeneID	308
Gene Name	ANXA5
Gene Alias	ANX5, ENX2, PP4
Gene Description	annexin A5
Omim ID	131230
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. Annexin 5 has also been described as placental anticoagulant protein I, vascular anticoagulant-alpha, endonexin II, lipocortin V, placental protein 4 and anchorin CII. The gene spans 29 kb containing 13 exons, and encodes a single transcript of approximately 1.6 kb and a protein product with a molecular weight of about 35 kDa. [provided by RefSeq]

Other Designations

anchorin CII|annexin 5|endonexin II|lipocortin V|placental anticoagulant protein I

Publication Reference

- [Mouse annexin V chromosomal localization, cDNA sequence conservation, and molecular evolution.](#)

Rodriguez-Garcia MI, Kozak CA, Morgan RO, Fernandez MP.

Genomics 1996 Jan; 31(2):151.

- [Cloning and expression of cDNA for human endonexin II, a Ca²⁺ and phospholipid binding protein.](#)

Kaplan R, Jaye M, Burgess WH, Schlaepfer DD, Haigler HT.

The Journal of Biological Chemistry 1988 Jun; 263(17):8037.

Application: WB-Re, Recombinant proteins

- [Characterization of cDNA encoding human placental anticoagulant protein \(PP4\): homology with the lipocortin family.](#)

Grundmann U, Abel KJ, Bohn H, Löbermann H, Lottspeich F, Küpper H.

PNAS 1988 Jun; 85(11):3708.

Disease

- [Abortion](#)
- [Antiphospholipid Syndrome](#)
- [Atherosclerosis](#)
- [Cerebral Palsy](#)
- [Death](#)
- [Femur Head Necrosis](#)
- [Fetal Death](#)

- [Fetal Growth Retardation](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhagic Disorders](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Lupus Erythematosus](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Renal Insufficiency](#)
- [Thrombosis](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)