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ANXA5 Recombinant Rabbit mAb

Catalog # AP99171

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P08758
Other Accession	P08758
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	35937
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the annexin family. Contains 4 annexin repeats.
SUBUNIT	Monomer. Binds ATRX and EIF5B. Interacts with hepatitis B virus (HBV).
Post-translational modifications	S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-densitity lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.
DISEASE	Defects in ANXA5 are associated with susceptibility to pregnancy loss, recurrent, type 3 (RPRGL3) [MIM:614391]. A common complication of pregnancy, resulting in spontaneous abortion before the fetus has reached viability. The term includes all miscarriages from the time of conception until 24 weeks of gestation. Recurrent pregnancy loss is defined as 3 or more consecutive spontaneous abortions.
Background Descriptions	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, Jul 2008],

Additional Information

Gene ID	308
Other Names	ANX5; CPB-I; ENX2; HEL-S-7; PP4; RPRGL3; VAC-alph; LC5; ANXA5_HUMAN; ANXA5; Anchorin CII; Annexin V; Annexin-5; Calphobindin I (CPB-I); Endonexin II; Lipocortin V; Placental anticoagulant protein 4 (PP4); Placental anticoagulant protein I (PAP-I); Thromboplastin inhibitor; Vascular anticoagulant-alpha (VAC-alpha); ANXA5_MOUSE; ANXA5_RAT; annexin A5; Calphobindin I; Placental anticoagulant protein I; Vascular

	anticoagulant-alpha; Annexin A5 (Anchorin CII) (Annexin V) (Annexin-5) (Calphobindin I) (CBP-I) (Endonexin II) (Lipocortin V) (Placental anticoagulant protein 4) (PP4) (Placental anticoagulant protein I) (PAP-I) (Thromboplastin inhibitor) (Vascular anticoagulant-alpha) (VAC-alpha)
Dilution	IHC-P=1:50-200,IHC-F=1:50-200,WB=1:500-2000,IF=1:50-200,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ANXA5
Synonyms	ANX5, ENX2, PP4
Function	This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.

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