



Recombinant Anti-Human Annexin V monoclonal antibody, clone 47 (DMABB-JX82)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Anti-Human Annexin V Nanobody produced in E. Coli with a COOH-terminal HA epitope tag. Based on recombinant single domain antibody derived from the variable regions of heavy chain of llama.
Specificity	Reacts with human Annexin V. Other species have not been tested.
Immunogen	Purified full-length human recombinant protein
Isotype	VHH
Source/Host	Llama
Species Reactivity	Human
Clone	47
Purification	Affinity chromatography
Conjugate	Unconjugated
Applications	ELISA, IP Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	1.0 mg/mL
Size	10 µg, 50 µg, 250 µg

Buffer	20 mM Tris-HCl pH 8.0, 150 mM NaCl, 1mM DTT, 60 % glycerol
Preservative	None
Storage	Store at -20 °C or -80°C for long term. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction 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.

Keywords ANXA5; annexin A5; PP4; ANX5; ENX2; RPRGL3; HEL-S-7; CBP-I; PAP-I; VAC-alpha

GENE INFORMATION

Official Symbol ANXA5

Synonyms ANXA5; annexin A5; PP4; ANX5; ENX2; RPRGL3; HEL-S-7; CBP-I; PAP-I; VAC-alpha; annexin V; annexin-5; anchorin CII; endonexin II; lipocortin V; calphobindin I; thromboplastin inhibitor; vascular anticoagulant-alpha; epididymis secretory protein Li 7; placental anticoagulant protein 4; placental anticoagulant protein I;

Entrez Gene ID [308](#)

UniProt ID [P08758](#)

Pathway Prostaglandin Synthesis and Regulation

Function calcium ion binding; calcium-dependent phospholipid binding; phospholipase inhibitor activity; phospholipid binding