Recombinant Human Annexin A2, His-tagged

Cat. No. ANXA2-5278H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanANXA2 contains 361 amino acids including a 6xHis Tag. Its molecular weight is41300 Dalton.
Species	Human
Source	E.coli
Description	ANXA2 also known as annexin II is a protein thatin humans is encoded by the ANXA2 gene. ANXA2 isinvolved in diverse cellular processes such as cell motility (especially thatof the epithelial cells), linkage of membrane-associated protein complexes tothe actin cytoskeleton, endocytosis, fibrinolysis, ion channel formation, andcell matrix interactions. It is a calcium-dependent phospholipid-bindingprotein whose function is to help organize exocytosis of intracellularproteins to the extracellular domain. Annexin II is a pleiotropic proteinmeaning that its function is dependent on place and time in the body.
Form	Liquid in 20 mMTris-HCl + 0.5 M NaCl + 100 mM imidazole + 1 mM 2-mercaptoethanol, pH 8.0without preservative.
Molecular Weight	41.3 kDa
Concentration	0.5 mg/ml
Applications	Western Blot;ELISA; Antibody Production; Protein Array

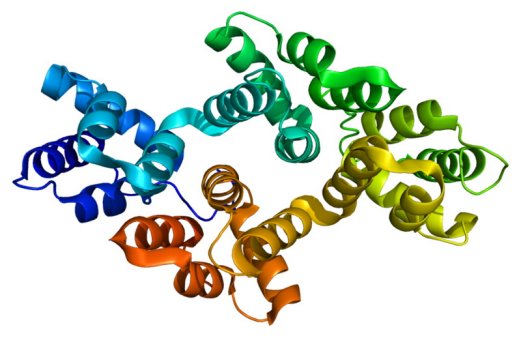
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Storage	Stable for 1 year inworking aliquots at -80°C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	ANXA2

GENE INFORMATION

Gene Name	ANXA2 annexin A2 [Homosapiens]
Synonyms	ANXA2; annexin A2;P36; ANX2; LIP2; LPC2; CAL1H; LPC2D; ANX2L4; PAP-IV; annexin-2; protein I;annexin II; lipocortin II; chromobindin 8; chromobindin-8;OTTHUMP00000163650; calpactin I heavy chain; calpactin-1 heavy chain;calpactin I heavy polypeptide; placental anticoagulant protein IV; annexinA2; Annexin II; Annexin-2; Calpactin I heavy chain; Calpactin-1 heavy chain;Chromobindin-8; Lipocortin II; Placental anticoagulant protein IV; Protein I;p36
Gene ID	302
mRNA Refseq	NM_001002857
Protein Refseq	NP_001002857
MIM	151740
UniProt ID	P07355
Chromosome Location	15q22.2
Pathway	ProstaglandinSynthesis and Regulation
Function	Rab GTPase binding;calcium ion binding; calcium-dependent phospholipid binding;

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	cytoskeletalprotein binding; phosphatidylinositol-4,5-bisphosphate binding; phospholipaseinhibitor activity; protein binding
PDB rendering basedon 1w7b.	

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