



Anti-ANXA2 (full length) polyclonal antibody (CPBT-67660RH)

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

PRODUCT INFORMATION

Product Overview

Rabbit anti Human Annexin II antibody recognizes human Annexin A2, also known as Annexin II (ANXA2), Lipocortin 2, Chromobindin-8 or Placental anticoagulant protein IV. Annexin II is a 339 amino acid secreted protein containing 4 annexin repeats. Annexin II is a pleiotropic calcium-dependent phospholipid-binding protein and member of the annexin family, abundantly expressed in a variety of tissues including the brain, spleen, kidney and placenta, which can exist in a monomer, heterodimer or heterotetramer form. Annexin II acts as an autocrine factor, enhancing the formation of osteoclasts and resorption of bone, and is implicated in both exocytosis and endocytosis. Annexin II is a substrate for both tyrosine and serine/threonine kinases, and is phosphorylated following growth factor stimulation and cellular activation by viral transformation.

Specificity	ANXA2
Immunogen	6xHis-tagged full-length recombinant human ANXA2 (NP_001002857).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.09% Sodium Azide

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	ANXA2 annexin A2 [Homo sapiens (human)]
Official Symbol	ANXA2
Synonyms	ANXA2; annexin A2; P36; ANX2; LIP2; LPC2; CAL1H; LPC2D; ANX2L4; PAP-IV; HEL-S-270; annexin-2; protein I; annexin II; lipocortin II; chromobindin 8; chromobindin-8; calpactin I heavy chain; calpactin-1 heavy chain; calpactin I heavy polypeptide; placental
Entrez Gene ID	302
Protein Refseq	NP_001002857
UniProt ID	P07355
Chromosome Location	15q22.2
Pathway	Dissolution of Fibrin Clot; Hemostasis; Orphan transporters; Prostaglandin Synthesis and Regulation; Transmembrane transport of small molecules;
Function	Rab GTPase binding; S100 protein binding; calcium ion binding; calcium-dependent phospholipid binding; calcium-dependent protein binding; cytoskeletal protein binding; phosphatidylinositol-4,5-bisphosphate binding; phospholipase A2 inhibitor activity; poly(A) RNA binding; protein binding;