

## Active Recombinant Human ANXA2 Protein, His-tagged

Cat. No. ANXA2-001H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ANXA2 Protein 1-346 aa (full-length) with a 6xHis tag was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-346 a.a.
<b>Description</b>	This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption. This gene has three pseudogenes located on chromosomes 4, 9 and 10, respectively. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. Annexin A2 expression has been found to correlate with resistance to treatment against various cancer forms.
<b>Bio-activity</b>	Active
<b>Molecular Mass</b>	41.3 kDa
<b>Purity</b>	>95% confirmed by 10% SDS-PAGE stained with Coomassie Blue (CB), immunoblotting with anti-6xHis (WB).

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<b>Applications</b>	ELISA, WB, Antibody Production, Protein array
<b>Quality Control Test</b>	10% SDS-PAGE stained with Coomassie Blue (CB), immunoblotting with anti-6xHis (WB) serum and peptide fingerprinting by MALDI-TOF-TOF mass spectrometry.
<b>Storage</b>	Store working aliquots at 4 centigrade for up to one week. For extended storage, conserve at -80 centigrade.
<b>Expiry</b>	12 months from the date of purchase, if it is properly stored.
<b>Storage Buffer</b>	Phosphate-Buffered Saline (PBS), pH 7.4. No preservatives added.
<b>Shipping</b>	Dry Ice

## GENE INFORMATION

<b>Gene Name</b>	ANXA2 annexin A2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ANXA2
<b>Synonyms</b>	ANXA2; annexin A2; P36; ANX2; LIP2; LPC2; CAL1H; LPC2D; ANX2L4; PAP-IV; HEL-S-270; annexin A2; annexin II; annexin-2; calpactin I heavy chain; calpactin I heavy polypeptide; calpactin-1 heavy chain; chromobindin 8; epididymis secretory protein Li 270; epididymis secretory sperm binding protein; lipocortin II; placental anticoagulant protein IV; protein I
<b>Gene ID</b>	302
<b>mRNA Refseq</b>	NM_001002857
<b>Protein Refseq</b>	NP_001002857

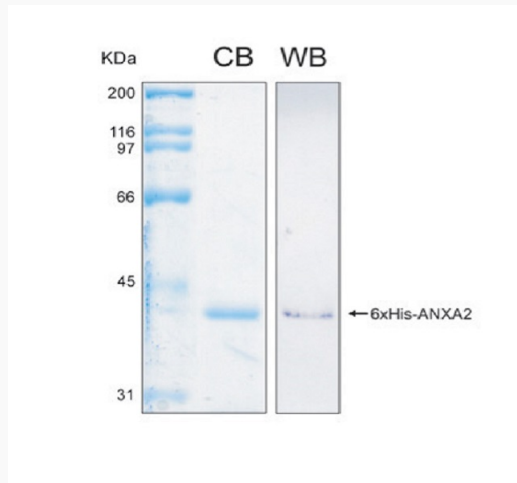
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