ANXA6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ANXA6, Polyclonal Antibody
Full Product Name	ANXA6 Antibody
Product Gene Name	anti-ANXA6 antibody
Product Synonym Names	annexin A6; ANX6; CBP68
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Specificity	The antibody detects endogenous level of total ANXA6 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	75,873 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (150480267..150537443, complement). Location: 5q33.1
OMIM	114070
3D Structure	ModBase 3D Structure for P08133
Immunogen	Fusion protein corresponding to C terminal 350 amino acids of human annexin A6
Product Categories/Family for anti-ANXA6 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ANXA6 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-ANXA6 antibody	ELISA: 1:1000-1:2000 WB: 1:200-1:500 IHC: 1:25-1:100
Related Product Information for anti-ANXA6 antibody	Annexin VI belongs to a family of calcium-dependent membrane and phospholipid binding proteins. Several members of the annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. The annexin VI gene is approximately 60 kbp long and contains 26 exons. It encodes a protein of about 68 kDa that consists of eight 68-amino acid repeats separated by linking sequences of variable lengths. It is highly similar to human annexins I and II sequences, each of which contain four such repeats. Annexin VI has been implicated in mediating the endosome aggregation and vesicle fusion in secreting epithelia during exocytosis. Alternatively spliced transcript variants have been described
Other Notes	Small volumes of anti-ANXA6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ANXA6 purchase	MBS8586452 is an antibody targeting ANXA6. Also known as ANXA6 Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ANXA6. It may not necessarily be applicable to this product.

NCBI GI #	71773329
NCBI GeneID	309
NCBI Accession #	NP_001146.2
UniProt Primary Accession #	P08133
UniProt Secondary Accession #	Q6ZT79; B7Z8A7; D3DQH4; E9PGK1
UniProt Related Accession #	P08133
GenBank Nucleotide #	NM_001155.4
NCBI Official Full Name	annexin A6 isoform 1
NCBI Official Synonym Full Names	annexin A6
NCBI Official Symbol	ANXA6
NCBI Official Synonym Symbols	ANX6; CBP68
UniProt Protein Name	Annexin A6
UniProt Synonym Protein Names	67 kDa calelectrin; Annexin VI; Annexin-6; Calphobindin-II; CPB-II; Chromobindin-20; Lipocortin VI; Protein III; p68; p70
Protein Family	Annexin
UniProt Gene Name	ANXA6
UniProt Synonym Gene Names	ANX6; CPB-II
UniProt Entry Name	ANXA6_HUMAN
NCBI Protein Information	annexin A6; p68; p70; CPB-II; annexin-6; calelectrin; lipocortin VI; calphobindin II; calphobindin-II; chromobindin-20; annexin VI (p68); 67 kDa calelectrin; calcium-binding protein p68
NCBI Summary for ANXA6	Annexin VI belongs to a family of calcium-dependent membrane and phospholipid binding proteins. Several members of the annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. The annexin VI gene is approximately 60 kbp long and contains 26 exons. It encodes a protein of about 68 kDa that consists of eight 68-amino acid repeats separated by linking sequences of variable lengths. It is highly similar to human annexins I and II sequences, each of which contain four such repeats. Annexin VI has been implicated in mediating the endosome aggregation and vesicle fusion in secreting epithelia during exocytosis. Alternatively spliced transcript variants have been described. [provided by RefSeq, Aug 2010]
UniProt Comments for ANXA6	ANXA6: a calcium/phospholipid-binding protein that may associate with CD21. May regulate the release of Ca(2+) from intracellular stores. Phosphorylated in response to growth factor stimulation. Annexins are a family of structurally related proteins whose common property is calcium-dependent binding to phospholipids. There are at least ten different annexins in mammalian species. Annexins do not contain signal peptides, yet some annexins (A1, A2 and A5) appear to be secreted in a physiologically regulated fashion. Protein type: Motility/polarity/chemotaxis; Calcium-binding; Lipid-binding Chromosomal Location of Human Ortholog: 5q33.1 Cellular Component: focal adhesion; membrane; lysosomal membrane; late endosome membrane; perinuclear region of cytoplasm; melanosome Molecular Function: protein binding; protein homodimerization activity; GTP binding; calcium-dependent phospholipid binding; cholesterol binding; calcium ion binding; lipid binding; calcium-dependent protein binding; ligand-gated ion channel activity Biological Process: regulation of muscle contraction; calcium ion transport; protein homooligomerization

Research Articles on ANXA6	**1.** AnxA6 via its stimulatory actions on PKCalpha and its role in mediating Ca(2+) flux across membranes regulates terminal differentiation and mineralization events of chondrocytes.
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