

# ANXA6 polyclonal antibody

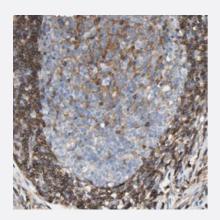
Catalog # PAB31417 Size 100 uL

# **Applications**



# Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumour cells) with ANXA6 polyclonal antibody (Cat # PAB31417).



# Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human appendix with ANXA6 polyclonal antibody (Cat # PAB31417) shows cytoplasmic positivity in lymphoid tissue.

Specification	
Product Description	Rabbit polyclonal antibody raised against partial recombinant human ANXA6.
Immunogen	Recombinant protein corresponding to human ANXA6.
Sequence	IADTPSGDKTSLETRFMTILCTRSYPHLRRVFQEFIKMTNYDVEHTIKKEMSGDVRDAFVAIVQSVK NKPLFFADKLYKSMKGAGTDEKTLTRIMVSRSEIDLLNIRREFIEKYDKSLHQAIEGDTSGDFLKALL ALCGGED
Host	Rabbit
Reactivity	Human, Mouse, Rat



## **Product Information**

Form	Liquid
Purification	Antigen affinity purification
Isotype	lgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

# **Applications**

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Gene Info — ANXA6	
Entrez GeneID	309
Protein Accession#	P08133
Gene Name	ANXA6
Gene Alias	ANX6, CBP68
Gene Description	annexin A6
Omim ID	<u>114070</u>
Gene Ontology	<u>Hyperlink</u>



#### **Product Information**

#### **Gene Summary**

Annexin VI belongs to a family of calcium-dependent membrane and phospholipid binding protein s. Although their functions are still not clearly defined, several members of the annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. The ann exin VI gene is approximately 60 kbp long and contains 26 exons. It encodes a protein of about 6 8 kDa that consists of eight 68-amino acid repeats separated by linking sequences of variable le ngths. It is highly similar to human annexins I and II sequences, each of which contain four such repeats. Exon 21 of annexin VI is alternatively spliced, giving rise to two isoforms that differ by a 6-a mino acid insertion at the start of the seventh repeat. Annexin VI has been implicated in mediating the endosome aggregation and vesicle fusion in secreting epithelia during exocytosis. [provided by RefSeq

**Other Designations** 

annexin VI|annexin VI (p68)|calcium-binding protein p68|calelectrin|calphobindin II

### **Publication Reference**

 Comparative study of human and mouse postsynaptic proteomes finds high compositional conservation and abundance differences for key synaptic proteins.

Bayes A, Collins MO, Croning MD, van de Lagemaat LN, Choudhary JS, Grant SG.

PLoS One 2012 Oct; 7(10):e4668.

Application: WB-Ti, Human, Mouse, Human brain, Mouse brain

Cell surface annexins regulate ADAM-mediated ectodomain shedding of proamphiregulin.

Nakayama H, Fukuda S, Inoue H, Nishida-Fukuda H, Shirakata Y, Hashimoto K, Higashiyama S.

Molecular Biology of the Cell 2012 May; 23(10):1694.

Application: WB-Tr, Human, HT-1080 cells

#### Disease

- Femur Head Necrosis
- Genetic Predisposition to Disease