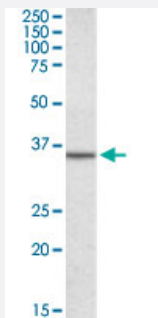


# ANXA2 polyclonal antibody

Catalog # PAB6109      Size 100 ug

## Applications



### Western Blot (Cell lysate)

ANXA2 polyclonal antibody (Cat # PAB6109) staining (1 ug/mL) of A-431 lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of ANXA2.
<b>Immunogen</b>	A synthetic peptide corresponding to human ANXA2.
<b>Sequence</b>	STVHEILCKLSLEGD
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	40.4, 38.6
<b>Reactivity</b>	Human, Mouse
<b>Specificity</b>	This antibody is expected to recognize both reported isoforms. NP_004030.1 and NP_001002857.1 are variants of isoform 2.
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.

<b>Recommend Usage</b>	ELISA (1:4000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

ANXA2 polyclonal antibody (Cat # PAB6109) staining (1 ug/mL) of A-431 lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — ANXA2

<b>Entrez GeneID</b>	<a href="#">302</a>
<b>Protein Accession#</b>	<a href="#">NP_001002858.1</a> ; <a href="#">NP_004030.1</a> ; <a href="#">NP_001002857.1</a>
<b>Gene Name</b>	ANXA2
<b>Gene Alias</b>	ANX2, ANX2L4, CAL1H, LIP2, LPC2, LPC2D, P36, PAP-IV
<b>Gene Description</b>	annexin A2
<b>Omim ID</b>	<a href="#">151740</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</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. [provided by RefSeq]
<b>Other Designations</b>	OTTHUMP00000163650 annexin II calpactin I heavy polypeptide chromobindin 8 lipocortin II platelet anticoagulant protein IV

## Publication Reference

- [Cloning and identification of annexin II as an autocrine/paracrine factor that increases osteoclast formation and bone resorption.](#)

Takahashi S, Reddy SV, Chirgwin JM, Devlin R, Haipek C, Anderson J, Roodman GD.

The Journal of Biological Chemistry 1994 Nov; 269(46):28696.

Application: WB-Ce, WB-Tr, Human, 293, Osteoclast-like giant cells

## Disease

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