

# ANXA2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant ANXA2.

Catalog # AT1148a

## Product Information

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<b>Application</b>	WB, IF, E
<b>Primary Accession</b>	<a href="#">P07355</a>
<b>Other Accession</b>	<a href="#">BC009564</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 kappa
<b>Clone Names</b>	3E8-B6
<b>Calculated MW</b>	38604

## Additional Information

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<b>Gene ID</b>	302
<b>Other Names</b>	Annexin A2, Annexin II, Annexin-2, Calpactin I heavy chain, Calpactin-1 heavy chain, Chromobindin-8, Lipocortin II, Placental anticoagulant protein IV, PAP-IV, Protein I, p36, ANXA2, ANX2, ANX2L4, CAL1H, LPC2D
<b>Target/Specificity</b>	ANXA2 (AAH09564.1, 1 a.a. ~ 339 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	ANXA2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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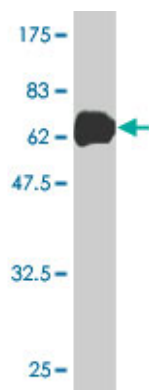
This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption. 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.

## References

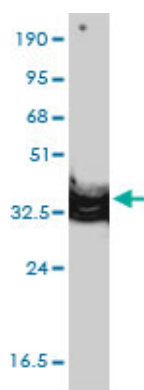
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1. Annexin A2 is a discriminative serological candidate in early hepatocellular carcinoma. Sun Y, Gao G, Cai J, Wang Y, Qu X, He L, Liu F, Zhang Y, Lin K, Ma S, Yang X, Qian X, Zhao X. *Carcinogenesis*. 2012 Dec 19. 2. Peripheral blood monocyte-expressed ANXA2 gene is involved in pathogenesis of osteoporosis in humans. Deng FY, Lei SF, Zhang Y, Zhang YL, Zheng YP, Zhang LS, Pan R, Wang L, Tian Q, Shen H, Zhao M, Lundberg YW, Liu YZ, Papasian CJ, Deng HW. *Mol Cell Proteomics*. 2011 Aug 4. [Epub ahead of print]

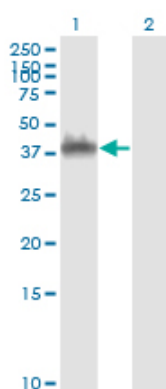
## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (63.03 KDa) .



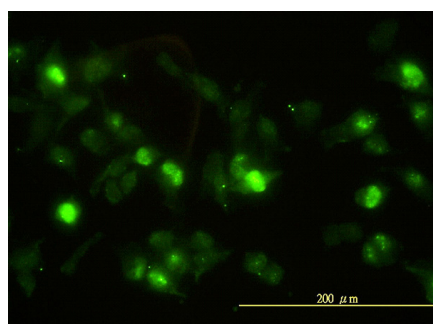
ANXA2 monoclonal antibody (M01), clone 3E8-B6 Western Blot analysis of ANXA2 expression in HeLa (Cat # AT1148a )



Western Blot analysis of ANXA2 expression in transfected 293T cell line by ANXA2 monoclonal antibody (M01), clone 3E8-B6.

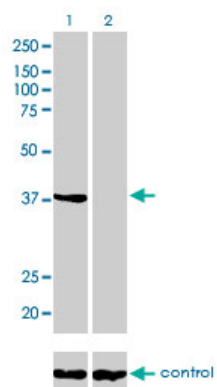
Lane 1: ANXA2 transfected lysate (Predicted MW: 40.4 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to ANXA2 on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged ANXA2 is



approximately 10ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.