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ANXA2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant ANXA2.
Catalog # AT1149a

Product Information

Application	WB, IF
Primary Accession	P07355
Other Accession	BC066955
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1G7
Calculated MW	38604

Additional Information

Gene ID	302
Other Names	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
Target/Specificity	ANXA2 (AAH66955, 19 a.a. ~ 357 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	ANXA2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

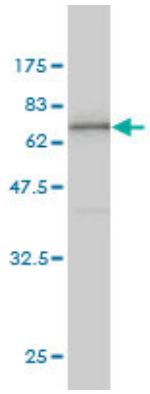
Background

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.

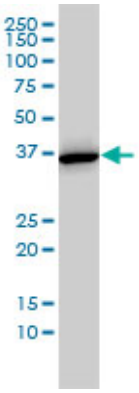
References

1.The interaction with caveolae-associated proteins regulates enolase-1 subcellular localization.Zakrzewicz D, Didiasova M, Zakrzewicz A, Hocke AC, Uhle F, Markart P, Preissner KT, Wygrecka MBiochem J. 2014 Jun 1;460(2):295-307. doi: 10.1042/BJ20130945.2.Peripheral blood monocyte-expressed ANXA2 geneis 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]3.Proteomic Analysis of Climatic Keratopathy Droplets.Menegay M, Lee D, Tabbara KF, Cafaro TA, Urrets-Zavalia JA, Serra HM, Bhattacharya SK.Invest Ophthalmol Vis Sci. 2008 Jul;49(7):2829-37. Epub 2008 Mar 31.

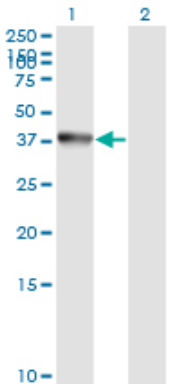
Images



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

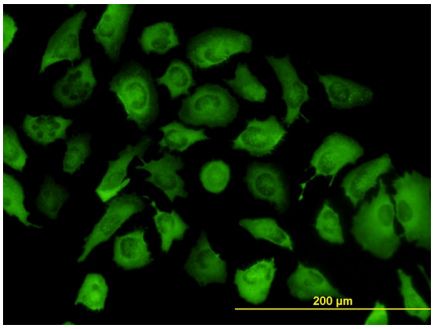


ANXA2 monoclonal antibody (M02), clone 1G7 Western Blot analysis of ANXA2 expression in HepG2 ((Cat # AT1149a)



Western Blot analysis of ANXA2 expression in transfected 293T cell line by ANXA2 monoclonal antibody (M02), clone 1G7.

Lane 1: ANXA2 transfected lysate(40.4 KDa).
Lane 2: Non-transfected lysate.



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

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