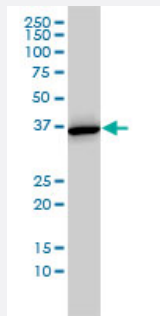


ANXA2 monoclonal antibody (M02), clone 1G7

Catalog # H00000302-M02

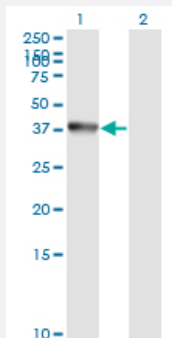
Size 100 ug

Applications



Western Blot (Cell lysate)

ANXA2 monoclonal antibody (M02), clone 1G7 Western Blot analysis of ANXA2 expression in HepG2 (Cat # L019V1).

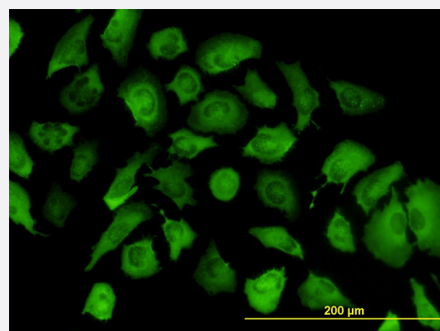


Western Blot (Transfected lysate)

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

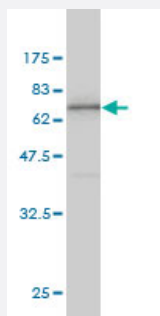
Lane 1: ANXA2 transfected lysate(40.4 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

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



Western Blot detection against Immunogen (63.03 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant ANXA2.
Immunogen	ANXA2 (AAH66955, 19 a.a. ~ 357 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSTVHEILCKLSLEGDHSTPPSAYGSVKAYTNFDAERDALNIETAIKTKGVDEVTIVNILTNRNAQR QDIAFAYQRRTKKELASALKSALSGHLETIVILGLLKTPAQYDASELKASKGLGTDEDSLEIICSRT NQELQEINRVYKEMYKTDLEKDIIISDTSGDFRKL MVALAKGRRRAEDGSVIDYELIDQDARDLYDAG VKRKGTDVPKWISVMTERSVPHLQKVFDTRYKSYSPYDMLSESIRKEVKGDLENAFLNLVQCQKNKP LYFADRLYDSMKGKGTRDKVLIRIMVSRSEVDMLKIRSEFKRKYGKSLYYIQQDTKGDYQKALLYL CGGDD
Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (63.03 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

● Western Blot (Cell lysate)

ANXA2 monoclonal antibody (M02), clone 1G7 Western Blot analysis of ANXA2 expression in HepG2 (Cat # L019V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — ANXA2

Entrez GeneID [302](#)

GeneBank Accession# [BC066955](#)

Protein Accession# [AAH66955](#)

Gene Name ANXA2

Gene Alias ANX2, ANX2L4, CAL1H, LIP2, LPC2, LPC2D, P36, PAP-IV

Gene Description annexin A2

Omim ID [151740](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000163650|annexin II|calpactin I heavy polypeptide|chromobindin 8|lipocortin II|platelet anticoagulant protein IV

Publication Reference

- [Protein nitration profile of CD3+ lymphocytes from Alzheimer disease patients: Novel hints on immunosenescence and biomarker detection.](#)

Tramutola A, Abate G, Lanzillotta C, Triani F, Barone E, Iavarone F, Vincenzoni F, Castagnola M, Marziano M, Memo M, Garrafa E, Butterfield DA, Perluigi M, Domenico FD, Uberti D.

Free Radical Biology & Medicine 2018 Dec; 129:430.

Application: IP, WB, Human, Human blood

- [The Metalloprotease, Mpr1, Engages AnnexinA2 to Promote the Transcytosis of Fungal Cells across the Blood-Brain Barrier.](#)

Na Pombejra S, Salemi M, Phinney BS, Gelli A.

Frontiers in Cellular and Infection Microbiology 2017 Jun; 7:296.

Application: IF, Human, Human brain microvascular endothelial cells

- [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 M.

The Biochemical Journal 2014 Jun; 460(2):295.

Application: Flow Cyt, WB-Ce, Human, MDA-MB-231 cell

- [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.

Molecular & Cellular proteomics: MCP 2011 Nov; 10(11):M111.01170.

Application: WB-Ce, Human, Peripheral blood monocytes

- [Proteomic analysis of climatic keratopathy droplets.](#)

Menegay M, Lee D, Tabbara KF, Cafaro TA, Urrets-Zavalía JA, Serra HM, Bhattacharya SK.

Investigative Ophthalmology & Visual Science 2008 Mar; 49(7):2829.

Disease

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