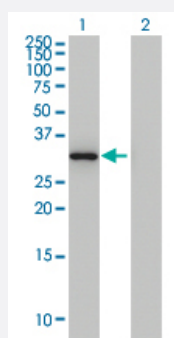


ANXA3 monoclonal antibody (M12), clone 4F1

Catalog # H00000306-M12

Size 100 ug

Applications

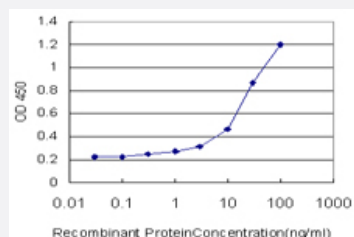


Western Blot (Transfected lysate)

Western Blot analysis of ANXA3 expression in transfected 293T cell line by ANXA3 monoclonal antibody (M12), clone 4F1.

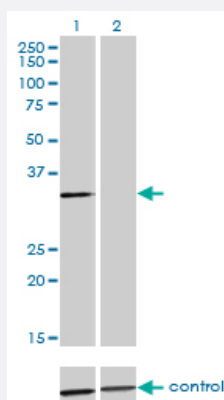
Lane 1: ANXA3 transfected lysate (37.145 KDa).

Lane 2: Non-transfected lysate.



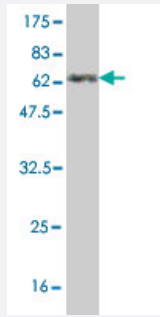
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ANXA3 is approximately 1 ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of ANXA3 over-expressed 293 cell line, cotransfected with ANXA3 Validated Chimera RNAi (Cat # H00000306-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ANXA3 monoclonal antibody (M12), clone 4F1 (Cat # H00000306-M12). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (61.27 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant ANXA3.
Immunogen	ANXA3 (AAH00871, 1 a.a. ~ 323 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MASMWVGHRTVRDYPDFSPSVDAEAIQKAIRGIGTDEKMLISILTERSNAQRQLVKEYQAAYGKEL KDDLKGDLSGHFEHLMVALVTPPAVFDAKQLKKSMMKGAGTNEDALIEILTTRTSRQMKDISQAYYT VYKKS LGDDISSETSGDFRKALLTLADGRRDESLKVDEHLAKQDAQILYKAGENRWGTDEDKFTE ILCLRSFPQLKLT FDEYRNISQKD VDSIKGELSGHFEDLLLAVNVCVRNTPAFLAERLHRALKGIGTD EFTLNRIMVSRSEIDLLDIRTEFKKHGYSLYSAIKSDTSGDYEITLLKICGGDD
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (61.27 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 (Transfected lysate)

Western Blot analysis of ANXA3 expression in transfected 293T cell line by ANXA3 monoclonal antibody (M12), clone 4F1.

Lane 1: ANXA3 transfected lysate(37.145 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ANXA3 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of ANXA3 over-expressed 293 cell line, cotransfected with ANXA3 Validated Chimera RNAi (Cat # H00000306-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ANXA3 monoclonal antibody (M12), clone 4F1 (Cat # H00000306-M12). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — ANXA3

Entrez GeneID [306](#)

GeneBank Accession# [BC000871](#)

Protein Accession# [AAH00871](#)

Gene Name ANXA3

Gene Alias ANX3

Gene Description annexin A3

Omim ID [106490](#)

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 in the inhibition of phospholipase A2 and cleavage of inositol 1,2-cyclic phosphate to form inositol 1-phosphate. This protein may also play a role in anti-coagulation. [provided by RefSeq]

Other Designations Annexin III (lipocortin III)|annexin III (lipocortin III, 1,2-cyclic-inositol-phosphate phosphodiesterase, placental anticoagulant protein III, calcimedlin 35-alpha)|calcimedlin 35-alpha

Publication Reference

- [Noninvasive Precision Screening of Prostate Cancer by Urinary Multimarker Sensor and Artificial Intelligence Analysis.](#)

Hojun Kim, Sungwook Park, In Gab Jeong, Sang Hoon Song, Youngdo Jeong, Choung-Soo Kim, Kwan Hyi Lee.

ACS Nano 2020 Dec; 15(3):4054.

Application: Func, Human, Human urine

- [Annexin A3 as a negative regulator of adipocyte differentiation.](#)

Watanabe T, Ito Y, Sato A, Hosono T, Niimi S, Ariga T, Seki T.

Journal of Biochemistry 2012 Oct; 152(4):355.

Application: IF, IHC, WB, Mouse, 3T3-L1 cells, Mouse adipose tissue, Mouse mature adipocyte

- [A multiplex model of combining gene-based, protein-based, and metabolite-based with positive and negative markers in urine for the early diagnosis of prostate cancer.](#)

Cao DL, Ye DW, Zhang HL, Zhu Y, Wang YX, Yao XD.

Prostate 2011 May; 71(7):700.

Application: WB, Human, Human urine samples