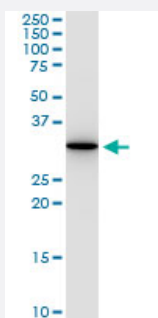


ANXA5 monoclonal antibody (M01), clone 1F4-1A5

Catalog # H00000308-M01

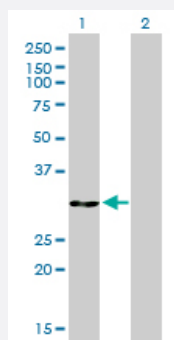
Size 100 ug

Applications



Western Blot (Cell lysate)

ANXA5 monoclonal antibody (M01), clone 1F4-1A5. Western Blot analysis of ANXA5 expression in HeLa.

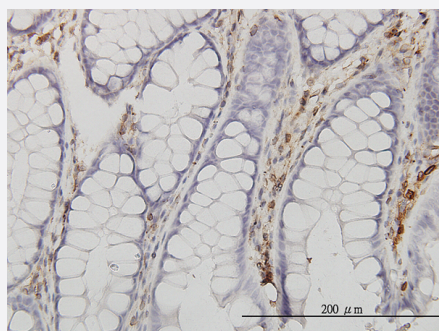


Western Blot (Transfected lysate)

Western Blot analysis of ANXA5 expression in transfected 293T cell line by ANXA5 monoclonal antibody (M01), clone 1F4-1A5.

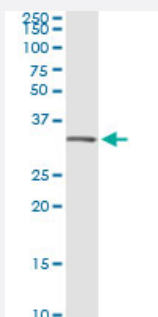
Lane 1: ANXA5 transfected lysate(35.9 KDa).

Lane 2: Non-transfected lysate.



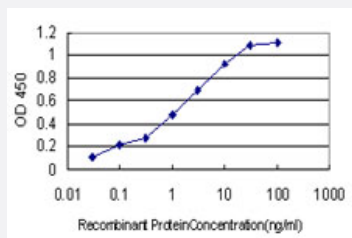
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ANXA5 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



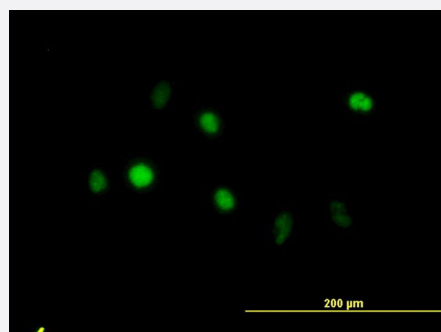
Immunoprecipitation

Immunoprecipitation of ANXA5 transfected lysate using anti-ANXA5 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ANXA5 MaxPab rabbit polyclonal antibody.



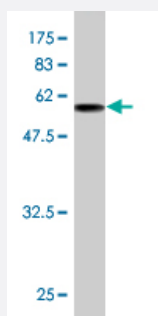
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ANXA5 is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ANXA5 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (60.94 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant ANXA5.

Immunogen

ANXA5 (AAH01429, 1 a.a. ~ 320 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MAQVLRGTVTDFPGFDERADAETLRKAMKGLGTDEESILTLLTSRSNAQRQEISAAFKTLFGRDLL
DDLKSELTGKFEKLVALMKPSRLYDAYELKHALKGAGTNEKVLTEIASRTPEELRAIKQVYEEYEG
SSLEDDVVGDTSGYYQRMVLVLLQANRDPDAGIDEAQVEQDAQALFQAGELKWGTDEEKFITIFG
TRSVSHLRKVFVKYMTISGFQIEETIDRETSGNLEQLLAVVKSIRSIPAYLAETLYYAMKGAGTDDH
TLIRVMVSRSEIDLFNIRKEFRKNFATSLYSMIKGDTS GDYKKALLLLCGEDD

Host

Mouse

Reactivity

Human

Isotype

IgG1 kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (60.94 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)

ANXA5 monoclonal antibody (M01), clone 1F4-1A5. Western Blot analysis of ANXA5 expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ANXA5 expression in transfected 293T cell line by ANXA5 monoclonal antibody (M01), clone 1F4-1A5.

Lane 1: ANXA5 transfected lysate(35.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ANXA5 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of ANXA5 transfected lysate using anti-ANXA5 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ANXA5 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

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Detection limit for recombinant GST tagged ANXA5 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ANXA5 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — ANXA5

Entrez GeneID [308](#)

GeneBank Accession# [BC001429](#)

Protein Accession# [AAH01429](#)

Gene Name ANXA5

Gene Alias ANX5, ENX2, PP4

Gene Description annexin A5

Omim ID [131230](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. Annexin 5 has also been described as placental anticoagulant protein I, vascular anticoagulant-alpha, endonexin II, lipocortin V, placental protein 4 and anchorin CII. The gene spans 29 kb containing 13 exons, and encodes a single transcript of approximately 1.6 kb and a protein product with a molecular weight of about 35 kDa. [provided by RefSeq]

Other Designations anchorin CIII|annexin 5|endonexin III|lipocortin V|placental anticoagulant protein I

Publication Reference

- [Transcellular distribution heterogeneity of Annexin A5 represents a protective response to lupus-related thrombophilia: a pilot Proteomics-based study.](#)

Zhou D, Luo N, Wu Q, You Y, Zhai Z, Mou Z, Wu Y, Hao F.

Biochemical and Biophysical Research Communications 2012 Apr; 420(2):357.

Application: WB, Human, PBMCs

- [Proteomics and bioinformatics analysis of lovastatin-induced differentiation in ARO cells.](#)

Shui HA, Hsia CW, Chen HM, Chang TC, Wang CY.

Journal of Proteomics 2012 Feb; 75(4):1170.

Application: WB-Ce, Human, ARO cells

- [The Differential Expression of Aqueous Soluble Proteins in Breast Normal and Cancerous Tissues in Relation to Stage and Grade of Patients.](#)

Liang S, Singh M, Gam LH.

Journal of Biomedicine & Biotechnology 2010 Dec; 2010:516469.

Application: WB-Ti, Human, Breast

Disease

- [Abortion](#)
- [Antiphospholipid Syndrome](#)
- [Atherosclerosis](#)
- [Cerebral Palsy](#)
- [Death](#)
- [Femur Head Necrosis](#)
- [Fetal Death](#)
- [Fetal Growth Retardation](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhagic Disorders](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Lupus Erythematosus](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Pre-Eclampsia](#)

- [Pregnancy Complications](#)
- [Renal Insufficiency](#)
- [Thrombosis](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)