

Datasheet

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

Catalog Number: H00000308-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant ANXA5.

Clone Name: 1F4-1A5

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:

MAQVLRGTVTDTPGFDERADAETLRKAMKGLGTDEE
SILTLTSTRSNAQRQEISAAFKTLFGRDLLDLKSELTG
KFEKLIVALKMPSRLYDAYELKHALKGAGTNEKVLTEII
ASRTPEELRAIKQVYEEYGGSSLEDDVVGDTSGYYQR
MLVVLLQANRDPDAGIDEAQVEQDAQALFQAGELKW
GTDEEKFITIFGTRSVSHLRKVFDKYMISGFQIEETIDR
ETSGNLEQLLLAVVKSIRSIPAYLAETLYYAMKGAGTD
DHTLIRVMVSRSEIDLFNIRKEFRKNFATSLYSMIKGD
SGDYKKALLLLCGEDD

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, IP, S-ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 308

Gene Symbol: ANXA5

Gene Alias: ANX5, ENX2, PP4

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]

References:

1. 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. Biochem Biophys Res Commun. 2012 Apr 6;420(2):357-63. Epub 2012 Mar 8.
2. Proteomics and bioinformatics analysis of lovastatin-induced differentiation in ARO cells. Shui HA, Hsia CW, Chen HM, Chang TC, Wang CY. J Proteomics. 2011 Nov 7.
3. 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 and Biotechnology doi:10.1155/2010/516469