

LAMA5 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant LAMA5.

Catalog # AT2669a

Product Information

Application	WB, E
Primary Accession	O15230
Other Accession	BC003355
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2F7
Calculated MW	399737

Additional Information

Gene ID	3911
Other Names	Laminin subunit alpha-5, Laminin-10 subunit alpha, Laminin-11 subunit alpha, Laminin-15 subunit alpha, LAMA5, KIAA0533, KIAA1907
Target/Specificity	LAMA5 (AAH03355.1, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
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	LAMA5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

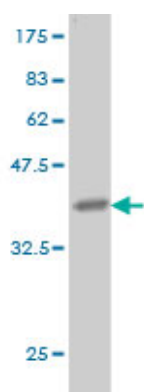
Background

Components of the extracellular matrix exert myriad effects on tissues throughout the body. In particular, the laminins, a family of heterotrimeric extracellular glycoproteins, affect tissue development and integrity in such diverse organs as the kidney, lung, skin, and nervous system. It is thought that laminins mediate the attachment, migration, and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. Laminins function as heterotrimeric complexes of alpha, beta, and gamma chains, with each chain type representing a different subfamily of proteins. The protein encoded by this gene belongs to the alpha subfamily of laminin chains and is a major component of basement membranes. Two transcript variants encoding different isoforms have been found for this gene, but the full-length nature of one of them has not been determined. [provided by RefSeq]

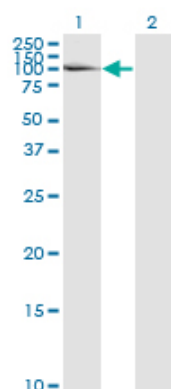
References

1.Genome-wide Runx2 occupancy in prostate cancer cells suggests a role in regulating secretion.Little GH, Noushmehr H, Baniwal SK, Berman BP, Coetzee GA, Frenkel B.Nucleic Acids Res. 2011 Dec 19;2. Melanoma cells produce multiple laminin isoforms and strongly migrate on $\alpha 5$ laminin(s) via several integrin receptors.Oikawa Y, Hansson J, Sasaki T, Rousselle P, Domogatskaya A, Rodin S, Tryggvason K, Patarroyo M.Exp Cell Res. 2010 Dec 31. [Epub ahead of print]3.Proteomics Analysis of Nasopharyngeal Carcinoma Cell Secretome Using a Hollow Fiber Culture System and Mass Spectrometry.Wu HY, Chang YH, Chang YC, Liao PC.J Proteome Res. 2009 Jan;8(1):380-9.4.Proteomic analysis of platelet α -granules using mass spectrometry.Maynard DM, Heijnen HF, Horne MK, White JG, Gahl WA.J Thromb Haemost. 2007 Sep;5(9):1945-55.

Images

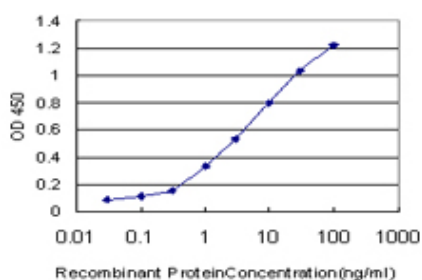


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



Western Blot analysis of LAMA5 expression in transfected 293T cell line by LAMA5 monoclonal antibody (M01), clone 2F7.

Lane 1: LAMA5 transfected lysate(74 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged LAMA5 is approximately 0.03ng/ml as a capture antibody.

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