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ITGA9 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ITGA9.
Catalog # AT2567a

Product Information

Application	WB
Primary Accession	Q13797
Other Accession	NM_002207
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3E5
Calculated MW	114489

Additional Information

Gene ID	3680
Other Names	Integrin alpha-9, Integrin alpha-RLC, ITGA9
Target/Specificity	ITGA9 (NP_002198, 785 a.a. ~ 886 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
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	ITGA9 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

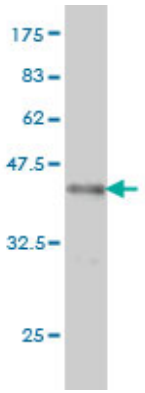
This gene encodes an alpha integrin. Integrins are heterodimeric integral membrane glycoproteins composed of an alpha chain and a beta chain that mediate cell-cell and cell-matrix adhesion. The protein encoded by this gene, when bound to the beta 1 chain, forms an integrin that is a receptor for VCAM1, cytotactin and osteopontin. Expression of this gene has been found to be upregulated in small cell lung cancers.

References

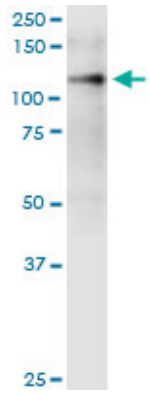
1.Notch-mediated induction of N-cadherin and ?9-integrin confers higher invasive phenotype on rhabdomyosarcoma cells.Masia A, Almazan-Moga A, Velasco P, Reventos J, Toran N, Sanchez de Toledo J,

Roma J, Gallego S.Br J Cancer. 2012 Oct 9;107(8):1374-83. doi: 10.1038/bjc.2012.411. Epub 2012 Sep 13.2.Osteopontin Is an Activator of Human Adipose Tissue Macrophages and Directly Affects Adipocyte Function.Zeyda M, Gollinger K, Todoric J, Kiefer FW, Keck M, Aszmann O, Prager G, Zlabinger GJ, Petzelbauer P, Stulnig TM.Endocrinology. 2011 Apr 5. [Epub ahead of print]3.Thrombin cleaved osteopontin regulates hemopoietic stem and progenitor cell functions through interactions with {alpha}9{beta}1 and {alpha}4{beta}1 integrins.Grassinger J, Haylock DN, Storan MJ, Haines GO, Williams B, Whitty GA, Vinson AR, Be CL, Li S, Sorensen ES, Tam PP, Denhardt DT, Sheppard D, Choong PF, Nilsson SK.Blood. 2009 Jul 2;114(1):49-59. Epub 2009 May 5.4.An Interstitial Deletion at 3p21.3 Results in the Genetic Fusion of MLH1 and ITGA9 in a Lynch Syndrome Family.Meyer C, Brieger A, Plotz G, Weber N, Passmann S, Dingermann T, Zeuzem S, Trojan J, Marschalek R.Clin Cancer Res. 2009 Feb 1;15(3):762-9.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.96 KDa) .



ITGA9 monoclonal antibody (M01), clone 3E4. Western Blot analysis of ITGA9 expression in HepG2.