

ITGA9 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant ITGA9.****Catalog # AT2567a****Specification**

ITGA9 Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	Q13797
Other Accession	NM_002207
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	114489

ITGA9 Antibody (monoclonal) (M01) - 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.

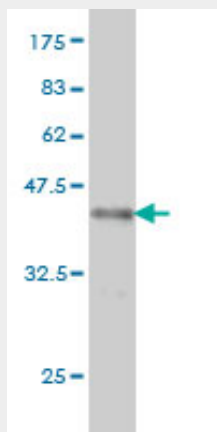
ITGA9 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

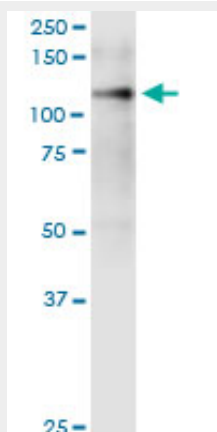
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ITGA9 Antibody (monoclonal) (M01) - 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.

ITGA9 Antibody (monoclonal) (M01) - 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.

ITGA9 Antibody (monoclonal) (M01) - References

1. Notch-mediated induction of N-cadherin and α 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, Dinger mann T, Zeuzem S, Trojan J, Marschalek R. Clin Cancer Res. 2009 Feb 1;15(3):762-9.