

# Product Datasheet

## Integrin alpha 9 Antibody (3E4) - Azide and BSA Free H00003680-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00003680-M01**

Integrin alpha 9 Antibody (3E4) - Azide and BSA Free

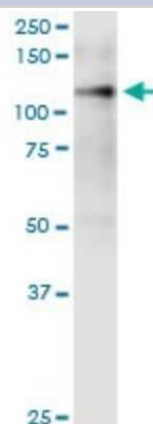
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3E4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	3680
Gene Symbol	ITGA9
Species	Human
Specificity/Sensitivity	ITGA9 - integrin, alpha 9
Immunogen	ITGA9 (NP_002198, 785 a.a. ~ 886 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. GESVDAANFIQLDDLECHFQPINITLQVYNTGPSTLPGSSVSISFPNRLSSGGAE MFHVQEMVVGQEKGNCSEFQKNPTPCIPQEENIFHTIFAFFTKSGR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB. GST tag alone is used as a negative control.

**Images**

Western Blot: Integrin alpha 9 Antibody (3E4) [H00003680-M01] - ITGA9 monoclonal antibody (M01), clone 3E4. Analysis of ITGA9 expression in HepG2.



## Publications

Molist C, Navarro N, Giralt I et al. miRNA-7 and miRNA-324-5p regulate alpha9-Integrin expression and exert anti-oncogenic effects in rhabdomyosarcoma. *Cancer Lett.* 2020-03-03 [PMID: 32142919]

Natalia N, Carla M, Julia S et al. Integrin alpha9 emerges as a key therapeutic target to reduce metastasis in rhabdomyosarcoma and neuroblastoma. *Cell Mol Life Sci.* 2022-10-11 [PMID: 36221013]

Meyer C, Brieger A, Plotz G et al. An Interstitial Deletion at 3p21.3 Results in the Genetic Fusion of MLH1 and ITGA9 in a Lynch Syndrome Family. *Clin Cancer Res.* 2009-02-01 [PMID: 19188145]

Grassinger J, Haylock DN, Storan MJ et al. Thrombin cleaved osteopontin regulates hemopoietic stem and progenitor cell functions through interactions with  $\alpha 9 \beta 1$  and  $\alpha 4 \beta 1$  integrins. *Blood.* 2009-05-05 [PMID: 19417209]

Zeyda M, Gollinger K, Todoric J et al. Osteopontin Is an Activator of Human Adipose Tissue Macrophages and Directly Affects Adipocyte Function. *Endocrinology.* 2011-04-05 [PMID: 21467192]

Masia A, Almazan-Moga A, Velasco P et al. Notch-mediated induction of N-cadherin and alpha9-integrin confers higher invasive phenotype on rhabdomyosarcoma cells. *Br J Cancer.* 2012-09-13 [PMID: 22976797]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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