10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MGC10540 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant MGC10540.
Catalog # AT2857a

Product Information

Application	WB, IF, E
Primary Accession	Q9BRG1
Other Accession	BC006282
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2E5-2B9
Calculated MW	20748

Additional Information

Gene ID	84313
Other Names	Vacuolar protein-sorting-associated protein 25, hVps25, Dermal papilla-derived protein 9, ELL-associated protein of 20 kDa, ESCRT-II complex subunit VPS25, VPS25, DERP9, EAP20
Target/Specificity	MGC10540 (AAH06282, 1 a.a. ~ 176 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 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	MGC10540 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

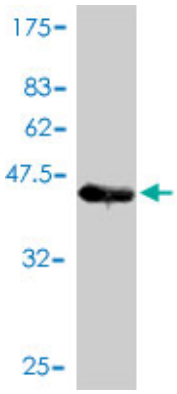
VPS25, VPS36 (MIM 610903), and SNF8 (MIM 610904) form ESCRT-II (endosomal sorting complex required for transport II), a complex involved in endocytosis of ubiquitinated membrane proteins. VPS25, VPS36, and SNF8 are also associated in a multiprotein complex with RNA polymerase II elongation factor (ELL; MIM 600284) (Slagsvold et al., 2005 [PubMed 15755741]; Kamura et al., 2001 [PubMed 11278625]).

References

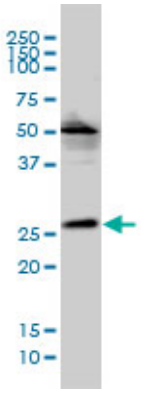
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes

REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.Structure and function of the ESCRT-II-III interface in multivesicular body biogenesis. Im YJ, et al. Dev Cell, 2009 Aug. PMID 19686684.Degradation of endocytosed epidermal growth factor and virally ubiquitinated major histocompatibility complex class I is independent of mammalian ESCRTII. Bowers K, et al. J Biol Chem, 2006 Feb 24. PMID 16371348.Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.

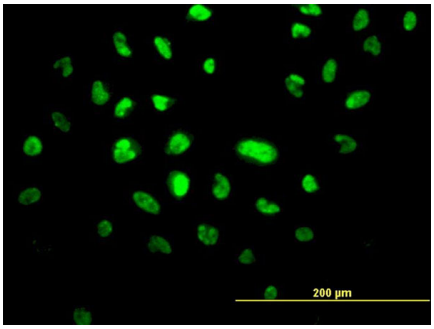
Images



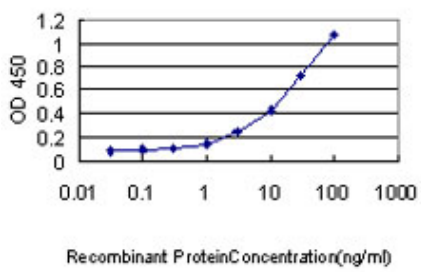
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (45.1 KDa) .



MGC10540 monoclonal antibody (M01), clone 2E5-2B9 Western Blot analysis of MGC10540 expression in Hela S3 NE ((Cat # AT2857a)



Immunofluorescence of monoclonal antibody to VPS25 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged VPS25 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'.