

MGC10540 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant MGC10540.****Catalog # AT2857a****Specification**

MGC10540 Antibody (monoclonal) (M01) - Product Information

Application	WB, IF, E
Primary Accession	Q9BRG1
Other Accession	BC006282
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	20748

MGC10540 Antibody (monoclonal) (M01) - 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.

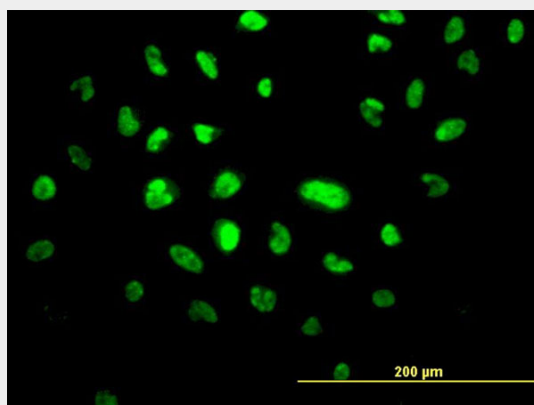
MGC10540 Antibody (monoclonal) (M01) - Protocols

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

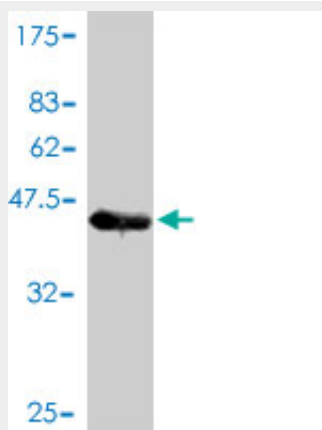
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

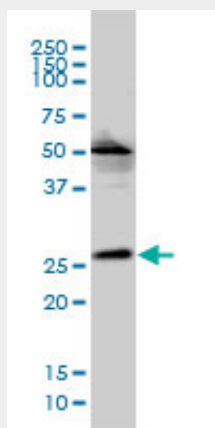
MGC10540 Antibody (monoclonal) (M01) - Images



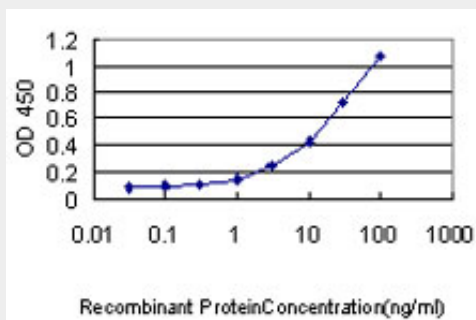
Immunofluorescence of monoclonal antibody to VPS25 on HeLa cell. [antibody concentration 10 ug/ml]



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)



Detection limit for recombinant GST tagged VPS25 is approximately 0.03ng/ml as a capture antibody.

MGC10540 Antibody (monoclonal) (M01) - 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]).

MGC10540 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-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.