

GOLM1 Antibody (monoclonal) (M06)**Mouse monoclonal antibody raised against a partial recombinant GOLM1.****Catalog # AT2239a****Specification**

GOLM1 Antibody (monoclonal) (M06) - Product Information

Application	IF, WB, IHC, E
Primary Accession	Q8NBJ4
Other Accession	NM_016548
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	45333

GOLM1 Antibody (monoclonal) (M06) - Additional Information**Gene ID** 51280**Other Names**

Golgi membrane protein 1, Golgi membrane protein GP73, Golgi phosphoprotein 2, GOLM1, C9orf155, GOLPH2

Target/Specificity

GOLM1 (NP_057632, 302 a.a. ~ 401 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

GOLM1 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

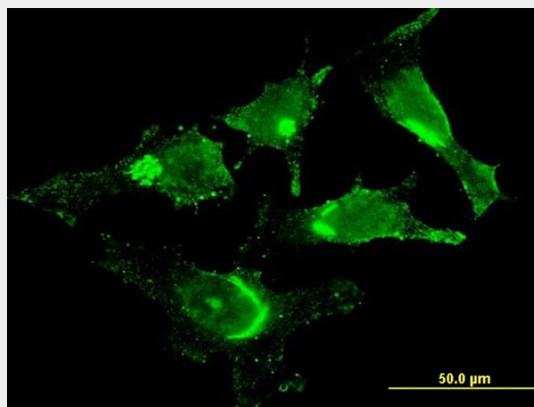
GOLM1 Antibody (monoclonal) (M06) - Protocols

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

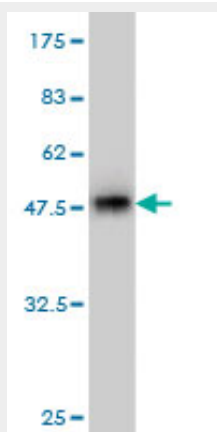
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

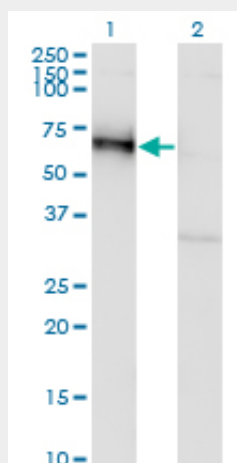
GOLM1 Antibody (monoclonal) (M06) - Images



Immunofluorescence of monoclonal antibody to GOLM1 on HeLa cell . [antibody concentration 10 ug/ml]

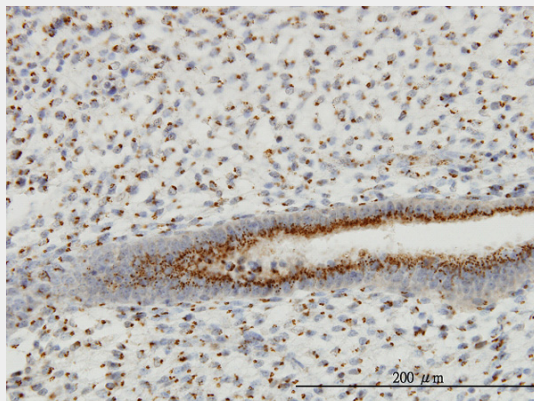


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .

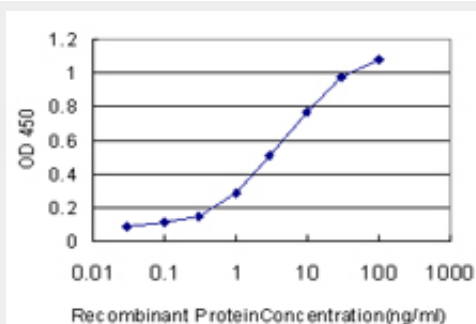


Western Blot analysis of GOLM1 expression in transfected 293T cell line by GOLM1 monoclonal antibody (M06), clone 5B10.

Lane 1: GOLM1 transfected lysate(45.3 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to GOLM1 on formalin-fixed paraffin-embedded human endometrium. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged GOLM1 is approximately 0.1ng/ml as a capture antibody.

GOLM1 Antibody (monoclonal) (M06) - Background

The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is a type II Golgi transmembrane protein. It processes proteins synthesized in the rough endoplasmic reticulum and assists in the transport of protein cargo through the Golgi apparatus. The expression of this gene has been observed to be upregulated in response to viral infection. Alternatively spliced transcript variants encoding the same protein have been described for this gene.

GOLM1 Antibody (monoclonal) (M06) - References

- 1.The HOPE fixation technique - a promising alternative to common prostate cancer biobanking approaches.Braun M, Menon R, Nikolov P, Kirsten R, Petersen K, Schilling D, Schott C, Gundisch S, Fend F, Becker KF, Perner S.BMC Cancer. 2011 Dec 7;11:511.
- 2.ERG rearrangement in small cell prostatic and lung cancer.Scheble VJ, Braun M, Wilbertz T, Stiedl AC, Petersen K, Schilling D, Reischl M, Seitz G, Fend F, Kristiansen G, Perner S.Histopathology. 2010 Jun;56(7):937-43.
- 3.GOLPH2 protein expression as a novel tissue biomarker for prostate cancer: implications for tissue-based diagnostics.Kristiansen G, Fritzsche FR, Wassermann K, Jager C, Tolls A, Lein M, Stephan C, Jung K, Pilarsky C, Dietel M, Moch H.Br J Cancer. 2008 Sep 16;99(6):939-48.
- 4.GOLPH2 and MYO6: putative prostate cancer markers localized to the Golgi apparatus.Wei S, Dunn TA, Isaacs WB, De Marzo AM,

Luo J. Prostate. 2008 Sep 15;68(13):1387-95.

GOLM1 Antibody (monoclonal) (M06) - Citations

- [Gradually increased Golgi protein 73 expression in the progression of benign liver diseases to precancerous lesions and hepatocellular carcinoma correlates with prognosis of patients.](#)