

GFI1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant GFI1.****Catalog # AT2193a****Specification**

GFI1 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, IHC, E
Primary Accession	Q99684
Other Accession	NM_005263
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	45297

GFI1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 2672**Other Names**

Zinc finger protein Gfi-1, Growth factor independent protein 1, Zinc finger protein 163, GFI1, ZNF163

Target/Specificity

GFI1 (NP_005254, 1 a.a. ~ 91 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

GFI1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

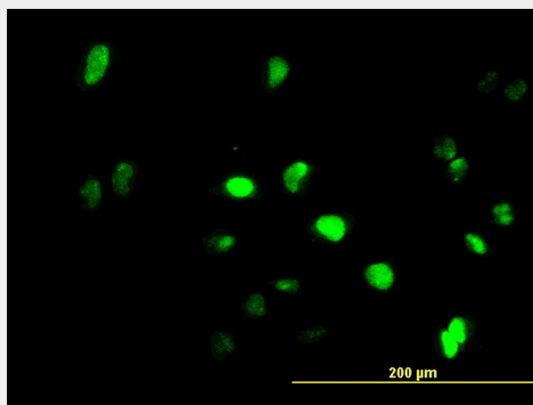
GFI1 Antibody (monoclonal) (M01) - Protocols

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

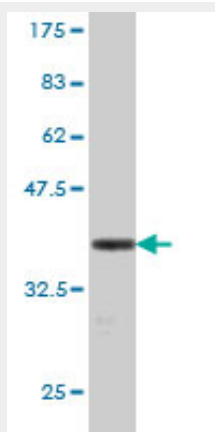
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

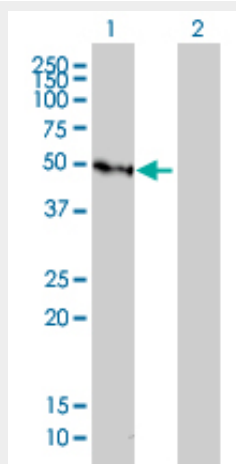
GFI1 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to GFI1 on HeLa cell. [antibody concentration 10 ug/ml]

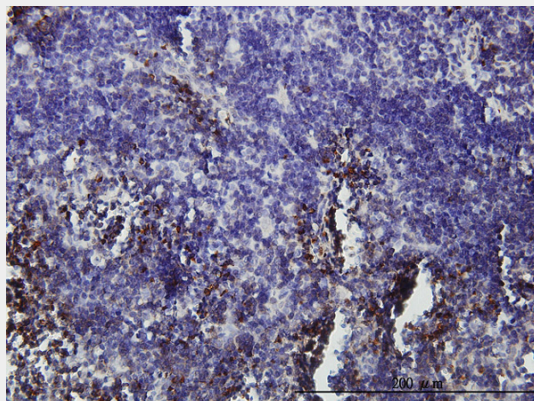


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.75 KDa) .

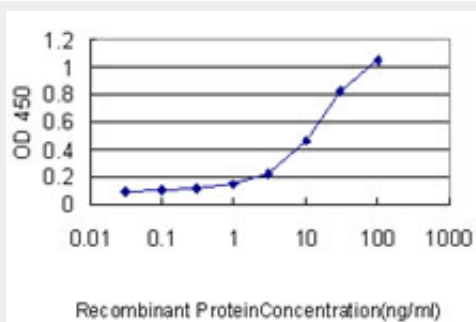


Western Blot analysis of GFI1 expression in transfected 293T cell line by GFI1 monoclonal antibody (M01), clone 3G8.

Lane 1: GFI1 transfected lysate(45 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to GFI1 on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged GFI1 is approximately 0.3ng/ml as a capture antibody.

GFI1 Antibody (monoclonal) (M01) - Background

This gene encodes a nuclear zinc finger protein that functions as a transcriptional repressor. This protein plays a role in diverse developmental contexts, including hematopoiesis and oncogenesis. It functions as part of a complex along with other cofactors to control histone modifications that lead to silencing of the target gene promoters. Mutations in this gene cause autosomal dominant severe congenital neutropenia, and also dominant nonimmune chronic idiopathic neutropenia of adults, which are heterogeneous hematopoietic disorders that cause predispositions to leukemias and infections. Multiple alternatively spliced variants, encoding the same protein, have been identified for this gene.

GFI1 Antibody (monoclonal) (M01) - References

Tag-SNP analysis of the GFI1-EVI5-RPL5-FAM69 risk locus for multiple sclerosis. Alcina A, et al. Eur J Hum Genet, 2010 Jul. PMID 20087403. A variant allele of Growth Factor Independence 1 (GFI1) is associated with acute myeloid leukemia. Khandanpour C, et al. Blood, 2010 Mar 25. PMID 20075157. The growth factor independence-1 (Gfi1) is overexpressed in chronic myelogenous leukemia. Huang M, et al. Acta Haematol, 2010. PMID 19887785. Contributions to neutropenia from PFAAP5 (N4BP2L2), a novel protein mediating transcriptional repressor cooperation between Gfi1 and neutrophil elastase. Salipante SJ, et al. Mol Cell Biol, 2009 Aug. PMID 19506020. Gfi-1 represses

CDKN2B encoding p15INK4B through interaction with Miz-1. Basu S, et al. Proc Natl Acad Sci U S A, 2009 Feb 3. PMID 19164764.