

GART Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant GART.****Catalog # AT2154a****Specification**

GART Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, IF, IP
Primary Accession	P22102
Other Accession	BC038958
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	107767

GART Antibody (monoclonal) (M01) - Additional Information**Gene ID** 2618**Other Names**

Trifunctional purine biosynthetic protein adenosine-3, Phosphoribosylamine--glycine ligase, Glycinamide ribonucleotide synthetase, GARS, Phosphoribosylglycinamide synthetase, Phosphoribosylformylglycinamide cyclo-ligase, AIR synthase, AIRS, Phosphoribosyl-aminoimidazole synthetase, Phosphoribosylglycinamide formyltransferase, 5'-phosphoribosylglycinamide transformylase, GAR transformylase, GART, GART, PGFT, PRGS

Target/Specificity

GART (AAH38958.1, 1 a.a. ~ 433 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

IP~~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

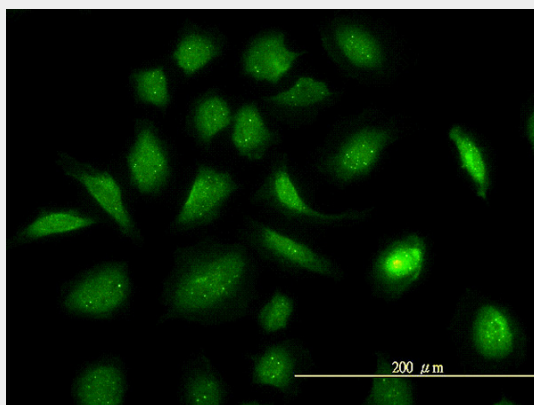
GART Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

GART Antibody (monoclonal) (M01) - Protocols

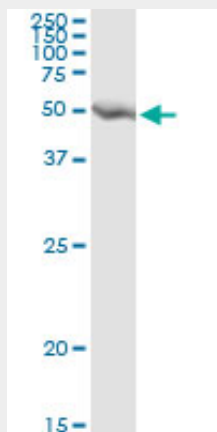
Provided below are standard protocols that you may find useful for product applications.

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

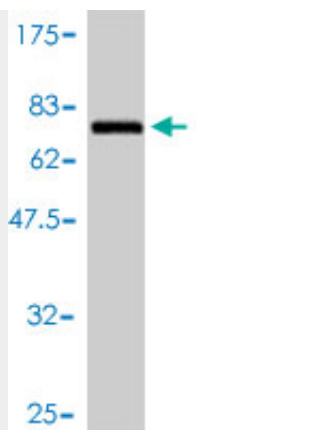
GART Antibody (monoclonal) (M01) - Images



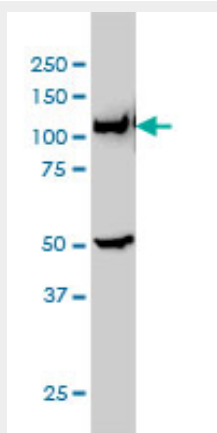
Immunofluorescence of monoclonal antibody to GART on HeLa cell. [antibody concentration 10 ug/ml]



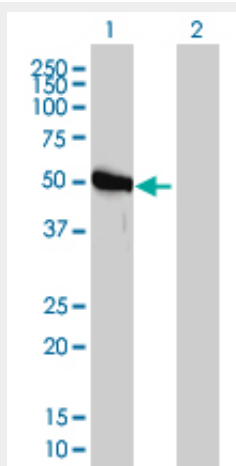
Immunoprecipitation of GART transfected lysate using anti-GART monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with GART MaxPab rabbit polyclonal antibody.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (73.37 KDa) .



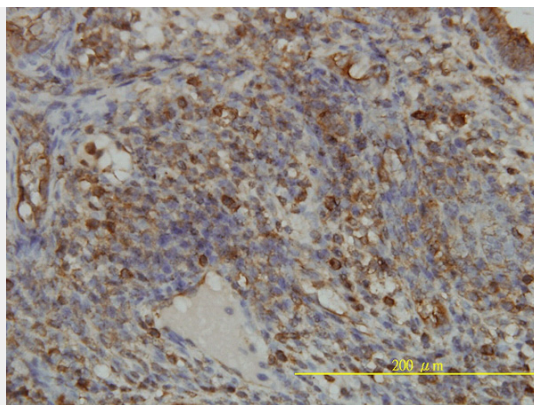
GART monoclonal antibody (M01), clone 4D6-1D5 Western Blot analysis of GART expression in Hela S3 NE ((Cat # AT2154a)



Western Blot analysis of GART expression in transfected 293T cell line by GART monoclonal antibody (M01), clone 4D6-1D5.

Lane 1: GART transfected lysate(46 KDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to GART on formalin-fixed paraffin-embedded human endometrium tissue. [antibody concentration 2 ug/ml]

GART Antibody (monoclonal) (M01) - References

1. Differentially expressed gene profile in the 6-hydroxy-dopamine-induced cell culture model of Parkinson's disease. Noelker C, Schwake M, Balzer-Geldsetzer M, Bacher M, Popp J, Schlegel J, Eggert K, Oertel WH, Klockgether T, Dodel R. *Neurosci Lett*. 2011 Dec 1;2. No Evidence for Mutations that Deregulate GARS? VAIRS? VGART Protein Levels in Children with Down Syndrome. Banerjee D, Ghosh D, Chatterjee A, Sinha S, Nandagopal K. *Ind J Clin Biochem* DOI 10.1007/s12291-011-0183-6. 5,10-Methenyltetrahydrofolate Synthetase Activity is Increased in Tumors and Modifies the Efficacy of Antipurine LY309887. Field MS, Anguera MC, Page R, Stover PJ. *Arch Biochem Biophys*. 2009 Jan 15;481(2):145-50. Epub 2008 Nov 8.