

HPRT1 Antibody(Ascites)
Mouse Monoclonal Antibody (Mab)
Catalog # AM2086a**Specification**

HPRT1 Antibody(Ascites) - Product Information

Application	WB,E
Primary Accession	P00492
Other Accession	Q6LDD9 , NP_000185.1
Reactivity	Human
Predicted	Monkey
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Calculated MW	24579
Antigen Region	150-178

HPRT1 Antibody(Ascites) - Additional Information**Gene ID** 3251**Other Names**

Hypoxanthine-guanine phosphoribosyltransferase, HGPRT, HGPRTase, HPRT1, HPRT

Target/Specificity

This HPRT1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 150-178 amino acids from human HPRT1.

Dilution

WB~~1:500~1600

Format

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HPRT1 Antibody(Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

HPRT1 Antibody(Ascites) - Protein Information**Name** HPRT1**Synonyms** HPRT

Function Converts guanine to guanosine monophosphate, and hypoxanthine to inosine monophosphate. Transfers the 5-phosphoribosyl group from 5-phosphoribosylpyrophosphate onto the purine. Plays a central role in the generation of purine nucleotides through the purine salvage pathway.

Cellular Location

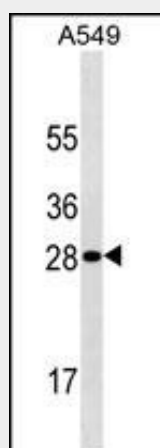
Cytoplasm.

HPRT1 Antibody(Ascites) - 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](#)

HPRT1 Antibody(Ascites) - Images



HPRT1 Antibody (Cat. #AM2086a) western blot analysis in A549 cell line lysates (35µg/lane). This demonstrates the HPRT1 antibody detected the HPRT1 protein (arrow).

HPRT1 Antibody(Ascites) - Background

The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. This enzyme plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutations in this gene result in Lesch-Nyhan syndrome or gout.

HPRT1 Antibody(Ascites) - References

Garcia, M.G., et al. Nucleosides Nucleotides Nucleic Acids 29 (4-6), 301-305 (2010) :
Torres, R.J., et al. Nucleosides Nucleotides Nucleic Acids 29 (4-6), 295-300 (2010) :

Yamada, Y., et al. Nucleosides Nucleotides Nucleic Acids 29 (4-6), 291-294 (2010) :
Zampieri, M., et al. Mech. Ageing Dev. 131(2):89-95(2010)
Kudo, M., et al. Drug Metab. Pharmacokinet. 24(6):557-564(2009)