10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.

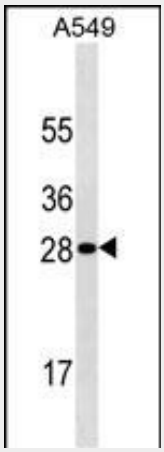
Cellular Location
Cytoplasm.

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 Cytomety
- 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)