

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

## Specification

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### HPRT1 Antibody(Ascites) - Product Information

Application	WB,E
Primary Accession	<a href="#">P00492</a>
Other Accession	<a href="#">O6LDD9</a> , <a href="#">NP_000185.1</a>
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**

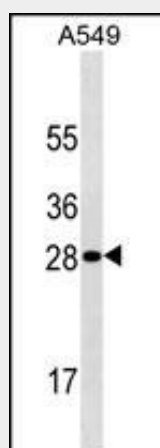
Cytoplasm.

#### **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)