

**HPRT1 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6732A****Specification**

---

**HPRT1 Antibody (N-term) - Product Information**

Application	FC, IHC-P, WB,E
Primary Accession	<a href="#">P00492</a>
Other Accession	<a href="#">P27605</a> , <a href="#">Q45FY6</a> , <a href="#">P00493</a> , <a href="#">Q6LDD9</a> , <a href="#">P00494</a>
Reactivity	Human
Predicted	Hamster, Monkey, Mouse, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24579
Antigen Region	65-94

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

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

**Target/Specificity**

This HPRT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 65-94 amino acids from the N-terminal region of human HPRT1.

**Dilution**

FC~~1:10~50

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HPRT1 Antibody (N-term) - 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.

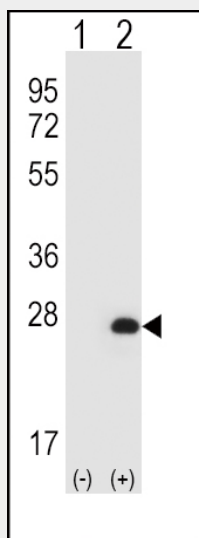
**Cellular Location**  
Cytoplasm.

### HPRT1 Antibody (N-term) - Protocols

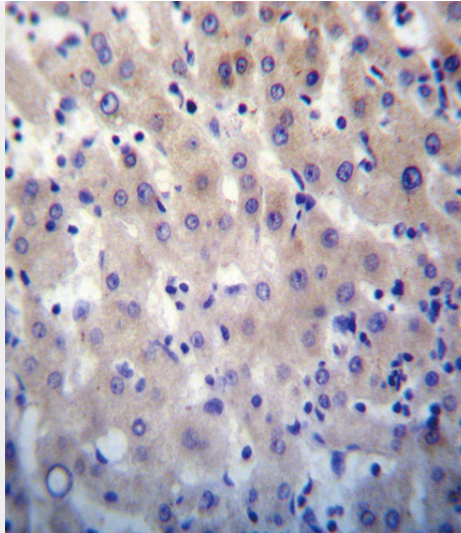
Provided below are standard protocols that you may find useful for product applications.

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

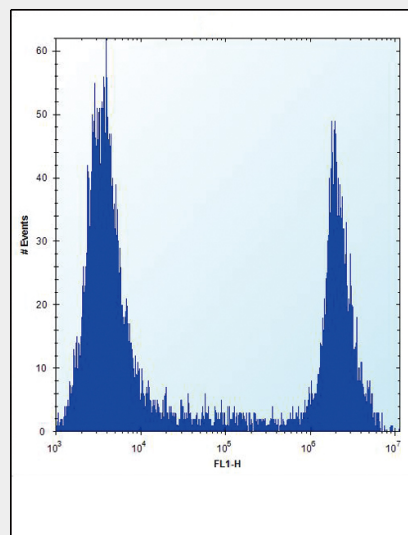
### HPRT1 Antibody (N-term) - Images



Western blot analysis of HPRT1 (arrow) using rabbit polyclonal HPRT1 Antibody (N-term) (Cat. #AP6732a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HPRT1 gene.



HPRT1 Antibody (N-term) (Cat. #AP6732a) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HPRT1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



HPRT1 Antibody (N-term) (Cat. #AP6732a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### HPRT1 Antibody (N-term) - Background

The protein 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.

### HPRT1 Antibody (N-term) - References

Ceballos-Picot, I., Hum. Mol. Genet. 18 (13), 2317-2327 (2009)  
Sculley, D.G., Hum. Genet. 90 (3), 195-207 (1992)