

HPRT1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6732b**Specification**

HPRT1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P00492](#)**HPRT1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 3251**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6732b](/products/AP6732b) was selected from the C-term region of human HPRT1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HPRT1 Antibody (C-term) Blocking Peptide - 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 (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HPRT1 Antibody (C-term) Blocking Peptide - Images

HPRT1 Antibody (C-term) Blocking Peptide - 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 (C-term) Blocking Peptide - References

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