

HPRT1 rabbit monoclonal antibody

Catalog # H00003251-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HPRT1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human HPRT1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HPRT1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — HPRT1

Entrez GeneID	3251
GeneBank Accession#	HPRT1
Gene Name	HPRT1
Gene Alias	HGPRT, HPRT
Gene Description	hypoxanthine phosphoribosyltransferase 1
Omim ID	300322 300323 308000
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	-

Pathway

- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Purine metabolism](#)

Disease

- [Arthritis](#)
- [Colitis](#)
- [Crohn Disease](#)
- [DNA Damage](#)

- [Genetic Predisposition to Disease](#)
- [Inflammatory Bowel Diseases](#)
- [Lead Poisoning](#)
- [Leukopenia](#)
- [Lung Neoplasms](#)
- [Osteoarthritis](#)