

# Product datasheet

info@arigobio.com

# ARG59514 anti-HPRT1 antibody

Package: 50 μl Store at: -20°C

### **Summary**

Product Description Rabbit Polyclonal antibody recognizes HPRT1

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name HPRT1

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1-218 of Human HPRT1 (NP\_000185.1).

Conjugation Un-conjugated

Alternate Names EC 2.4.2.8; Hypoxanthine-guanine phosphoribosyltransferase; HGPRTase; HGPRT; HPRT

## **Application Instructions**

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7, Mouse brain and Rat brain	
Observed Size	27 kDa	

#### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol HPRT1

Gene Full Name hypoxanthine phosphoribosyltransferase 1

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.[provided by RefSeq, Jun 2009]

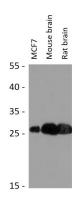
Function Converts guanine to guanosine monophosphate, and hypoxanthine to inosine monophosphate.

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. [UniProt]

Calculated Mw 25 kDa

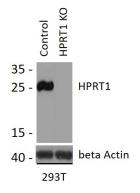
Cellular Localization Cytoplasm. [UniProt]

#### **Images**



#### ARG59514 anti-HPRT1 antibody WB image

Western blot: 25  $\mu g$  of MCF7, Mouse brain and Rat brain lysates stained with ARG59514 anti-HPRT1 antibody at 1:1000 dilution.



#### ARG59514 anti-HPRT1 antibody WB image

Western blot: 25  $\mu g$  of extracts from normal (control) and HPRT1 knockout (KO) 293T cells, using ARG59514 anti-HPRT1 antibody at 1:1000 dilution.