

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	

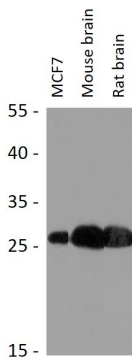
Properties

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

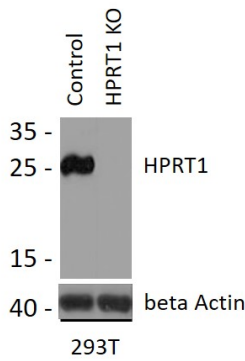
Gene Symbol	HPRT1
Gene Full Name	hypoxanthine phosphoribosyltransferase 1
Background	The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 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 µg 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 µg of extracts from normal (control) and HPRT1 knockout (KO) 293T cells, using ARG59514 anti-HPRT1 antibody at 1:1000 dilution.