

ARG43898 anti-HPRT1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HPRT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HPRT1
Species	Human
Immunogen	Human HPRT1 recombinant protein
Conjugation	Un-conjugated
Alternate Names	HPRT1; Hypoxanthine Phosphoribosyltransferase 1; HGPRT; HPRT; Hypoxanthine Guanine Phosphoribosyl Transferase; Hypoxanthine-Guanine Phosphoribosyltransferase; EC 2.4.2.8; HGPRTase; Hypoxanthine-Guanine Phosphoribosyltransferase 1; Testicular Tissue Protein Li 89; Lesch-Nyhan Syndrome

Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg/1x10 ⁶
	WB	0.25-0.5 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
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 or below. 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.

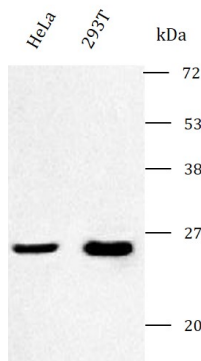
Note

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

Bioinformation

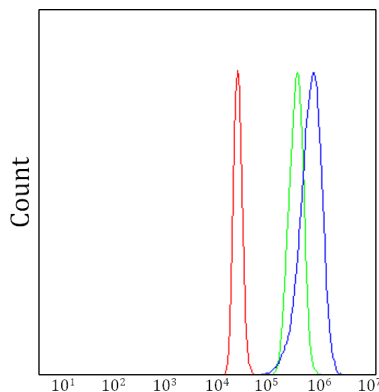
Gene Symbol	HPRT1
Gene Full Name	Hypoxanthine Phosphoribosyltransferase 1
Background	The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 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.
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.
Calculated Mw	25 kDa
PTM	Acetylation, Isopeptide bond Phosphoprotein, Ubl conjugation
Cellular Localization	Cytoplasm

Images



ARG43898 anti-HPRT1 antibody WB image

Western blot: HeLa and 293T stained with ARG43898 anti-HPRT1 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.

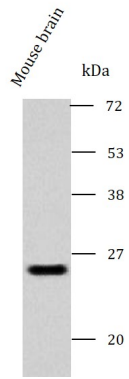


ARG43898 anti-HPRT1 antibody FACS image

Flow Cytometry: 293T cells stained with ARG43898 anti-HPRT1 antibody (blue) at 1 $\mu\text{g}/1 \times 10^6$ cells dilution.

ARG43898 anti-HPRT1 antibody WB image

Western blot: Mouse brain stained with ARG43898 anti-HPRT1 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



ARG43898 anti-HPRT1 antibody WB image

Western blot: Rat brain stained with ARG43898 anti-HPRT1 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.

