ARG44675
anti-HPRT1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes HPRT1
Tested Reactivity	Hu
Tested Application	IP
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	HPRT1
Species	Human
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
IP	10 µg/mL

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

Properties

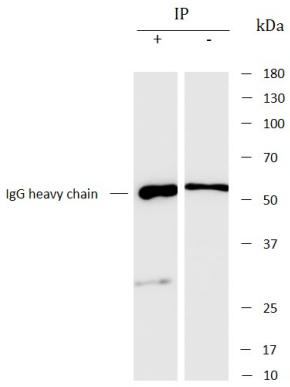
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated 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
Cellular Localization	Cytoplasm

Images



ARG44675 anti-HPRT1 antibody IP image

Immunoprecipitation: HEK293 lysate immunoprecipitated with 2.5 µg of ARG44675 anti-HPRT1 antibody.