ARG57547
anti-HPRT1 antibody [1D9]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [1D9] recognizes HPRT1
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	1D9
Isotype	IgG2b, kappa
Target Name	HPRT1
Species	Human
Immunogen	Recombinant Human HPRT (aa. 1-218) purified from E. coli.
Conjugation	Un-conjugated
Alternate Names	EC 2.4.2.8; Hypoxanthine-guanine phosphoribosyltransferase; HGPRTase; HGPRT; HPRT

Application Instructions

Application table

Application	Dilution
WB	1:1000

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

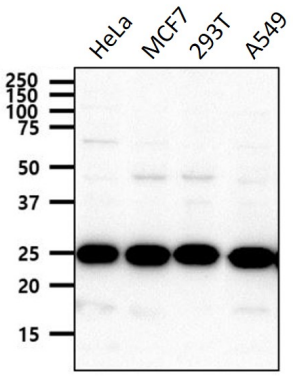
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 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. 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

Images



ARG57547 anti-HPRT antibody [1D9] WB image

Western blot: 40 µg of HeLa, MCF7, 293T and A549 cell lysates stained with ARG57547 anti-HPRT antibody [1D9] at 1:1000 dilution.