

Basic Information

Product Name	Anti-HPRT1 Antibody		
Gene Name	HPRT1		
Source	Rabbit		
Isotype	IgG		
Species Reactivity	human, mouse, rat		
Tested Application	WB, FCM(Intracellular), Direct ELISA		
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.		
Immunogen	E.coli-derived human HPRT1 recombinant protein (Position: Y17-K186).		
concentration	500 ug/ml		
Purification	Immunogen affinity purified.		
Dilution Ratios	Western blot (WB):	1:500-2000	
	Flow Cytometry(Intracellular):	1-3 µg/1x10 ⁶ cells	
	Direct ELISA:	1:100-1000	

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Hypoxanthine-guanine phosphoribosyltransferase (HGPRT) is an enzyme encoded in humans by the HPRT1 gene. 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.

Selected Validation Data

Product datasheet

Anti-HPRT1 Antibody

Catalog Number: **A00668-1**

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