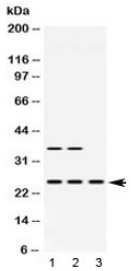
HPRT Antibody (R32539)

Catalog No.	Formulation	Size
R32539	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P00492
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml
Limitations	This HPRT antibody is available for research use only.



Western blot testing of 1) rat brain, 2) mouse brain and 3) human HeLa lysate with HPRT antibody at 0.5ug/ml. Predicted/observed molecular weight: ~24 kDa.

Description

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.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the HPRT antibody to be titrated for optimal performance.

Immunogen

Amino acids A2-S110 from the human protein were used as the immunogen for the HPRT antibody.

Storage

After reconstitution, the HPRT antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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