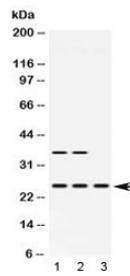


HPRT Antibody (R32539)

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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.