

Rabbit HPRT Polyclonal Antibody | anti-HPRT1 antibody

Anti-HPRT Antibody

CATALOG # AAA46836	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

HPRT; Polyclonal Antibody; Anti-HPRT Antibody; HGPRT; HGPRTase; HPRT 1; HPRT1; P00492; Hypoxanthine-guanine phosphoribosyltransferase; hypoxanthine phosphoribosyltransferase 1; anti-HPRT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	218
Applicable Applications for anti-HPRT1 antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E. coli-derived human HPRT recombinant protein (Position: A2-S110). Human HPRT shares 98.1% and 96.3% amino acid (aa) sequence identity with mouse and rat HPRT, respectively.
Relevant Detection Systems	Enhanced Chemiluminescent Kit with anti-Rabbit IgG (please inquire) for Western blot.
Preparation and Storage	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of HPRT1 expression in rat brain extract (lane 1), mouse brain extract (lane 2) and HELA whole cell lysates (lane 3). HPRT1 at 24KD was detected using rabbit anti-HPRT1 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-HPRT1 antibody	Rabbit IgG polyclonal antibody for Hypoxanthine-guanine phosphoribosyltransferase(HPRT1) detection. Background: 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.
References	1. Ansari MY, Dikhit MR, Sahoo GC, Das P (Apr 2012). "Comparative modeling of HGPRT enzyme of L. donovani and binding affinities of different analogs of GMP". International Journal of Biological Macromolecules50 (3): 637-49. 2. Finette BA, Kendall H, Vacek PM (Aug 2002). "Mutational spectral analysis at the HPRT locus in healthy children". Mutation Research 505 (1-2): 27-41.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504483
NCBI GeneID	3251
NCBI Accession #	NP_000185.1
NCBI GenBank Nucleotide #	NM_000194.2
UniProt Accession #	P00492; A6NHFO; B2R8M9
NCBI Official Full Name	hypoxanthine-guanine phosphoribosyltransferase
NCBI Official Synonym Full Names	hypoxanthine phosphoribosyltransferase 1
NCBI Official Symbol	HPRT1
NCBI Official Synonym Symbols	HPRT; HGPRT
NCBI Protein Information	hypoxanthine-guanine phosphoribosyltransferase
UniProt Protein Name	Hypoxanthine-guanine phosphoribosyltransferase
UniProt Gene Name	HPRT1
UniProt Synonym Gene Names	HPRT; HGPRT; HGPRTase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hprt-antibody-western-blot-elisa/46836>