

Rabbit HPRT Monoclonal Antibody | anti-HPRT antibody

HPRT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30393	Rabbit	Human, Mouse, Rat, Zebrafish	Western Blot, Immunohistochemistry, Immunoprecipitation

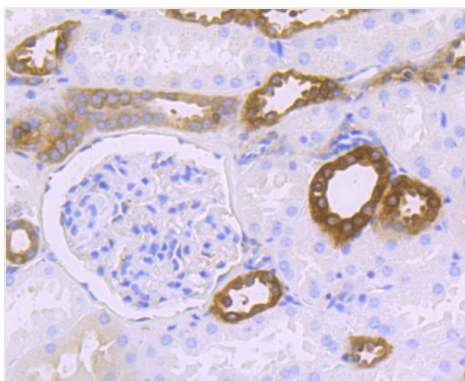
PRODUCT SYNONYMS

HPRT; Monoclonal Antibody; HPRT Antibody; HGPRT antibody; HGPRTase antibody; HPRT 1 antibody; HPRT_HUMAN antibody; HPRT1 antibody; Hypoxanthine guanine phosphoribosyltransferase antibody; Hypoxanthine phosphoribosyltransferase 1 (Lesch Nyhan syndrome) antibody; Hypoxanthine phosphoribosyltransferase 1 antibody; Hypoxanthine-guanine phosphoribosyltransferase antibody; anti-HPRT antibody

PRODUCT SPECIFICATIONS

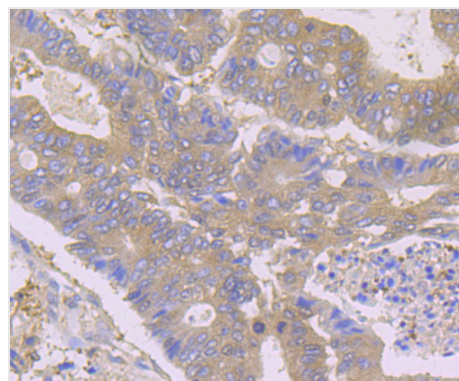
Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Clonality	Monoclonal
Clone Number	JU03-26
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-HPRT antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IP: 1:10-1:50
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



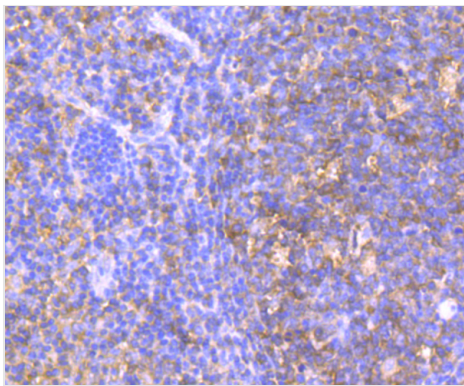
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-HPRT antibody. Counter stained with hematoxylin.



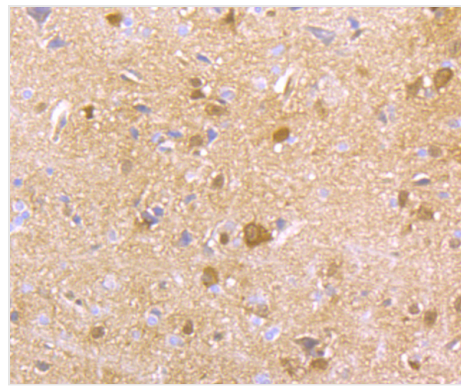
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-HPRT antibody. Counter stained with hematoxylin.



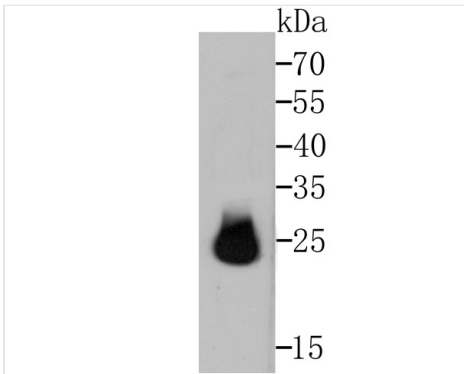
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-HPRT antibody. Counter stained with hematoxylin.



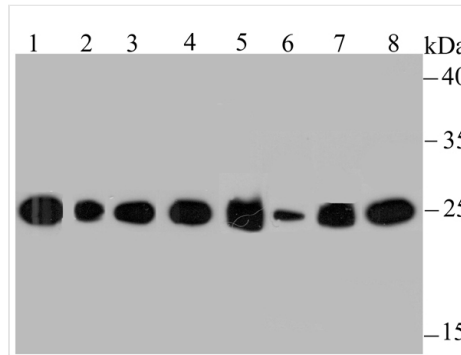
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-HPRT antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of HPRT on Zebrafish tissue lysates using anti-HPRT antibody at 1/500 dilution.



WB (Western Blot)

Western blot analysis of HPRT on different lysates using anti-HPRT antibody at 1/500 dilution. Positive control: Lane 1: Hela Lane 2: A431 Lane 3: MCF-7 Lane 4: 293 Lane 5: Rat kidney Lane 6: Rat brain Lane 7: Mouse testis Lane 8: Mouse colon

ADDITIONAL INFORMATION

Related Product Information for anti-HPRT antibody

HPRT (hypoxanthine phosphoribosyltransferase 1), also known as HGPRT or HPRT1, is a 218 amino acid cytoplasmic protein that belongs to the purine/pyrimidine phosphoribosyltransferase family. Involved in purine metabolism, HPRT functions as a purine salvage enzyme that catalyzes the conversion of hypoxanthine and guanine to their respective mononucleotides (inosine monophosphate and guanosine monophosphate, respectively). HPRT exists as a homotetramer that can bind two magnesium ions as cofactors. Defects in the gene encoding HPRT are the cause of gout and Lesch-Nyhan syndrome (LNS), both of which are characterized by a partial or complete lack of HPRT enzymatic activity. While a partial loss of HPRT enzymatic activity results in a buildup of uric acid (gout), a total loss of enzymatic activity results in hyperuricaemia, mental retardation, choreoathetosis and compulsive self-mutilation, all of which are symptoms associated with LNS. The severity of these diseases suggests an essential role for HPRT in purine metabolism.

Product Categories/Family for anti-HPRT antibody

Total protein Ab

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
Molecular Weight	24,579 Da

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; HGPRTase
UniProt Protein Name	Hypoxanthine-guanine phosphoribosyltransferase
UniProt Gene Name	HPRT1
UniProt Synonym Gene Names	HPRT; HGPRT; HGPRTase
UniProt Entry Name	HPRT_HUMAN

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://www.aaabiotech.com/monoclonal/hprt-antibody-clone-ju03-26-western-blot-immunohistochemistry-immunoprecipitation-elisa/30393>