

Product datasheet for **TA308902**

HPRT (HPRT1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Chicken, Dog, Pig, Rabbit, Rat, Xenopus, Zebrafish, Bovine, X. tropicalis)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 23 and 218 of HPRT (Uniprot ID#P00492)
Formulation:	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25 kDa
Gene Name:	hypoxanthine phosphoribosyltransferase 1
Database Link:	NP_000185 Entrez Gene 24465 Rat Entrez Gene 442945 Dog Entrez Gene 3251 Human P00492
Background:	HPRT1 has a central role in the generation of purine nucleotides through the purine salvage pathway. HPRT1 catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate (Keebaugh et al., 2007 [PubMed 16928426]). [supplied by OMIM]
Synonyms:	HGPRT; HPRT
Note:	Seq homology of immunogen across species: Chicken (94%), Dog (96%), Pig (97%), Rabbit (98%), Rat (96%), Xenopus laevis (92%), Zebrafish (93%), Bovine (94%), Xenopus tropicalis (92%)

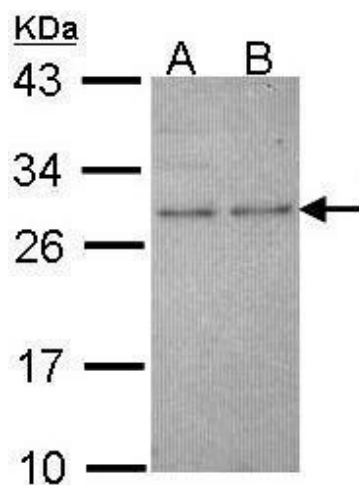


[View online »](#)

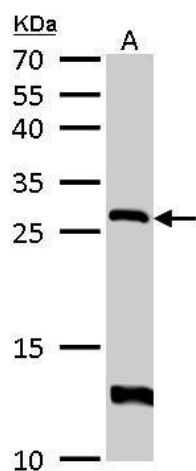
Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism

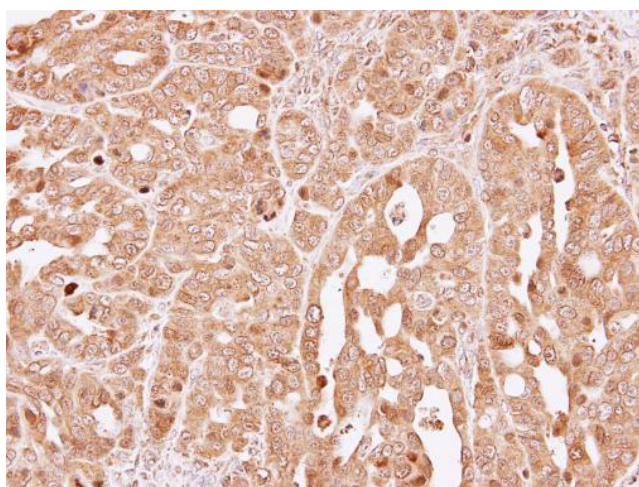
Product images:



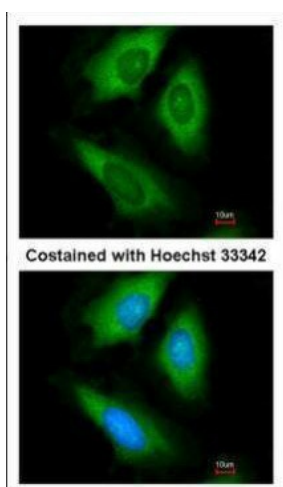
Sample (30 ug of whole cell lysate). A: Molt-4. B: Raji. 12% SDS PAGE. TA308902 diluted at 1:1000.



HPRT antibody detects HPRT1 protein by Western blot analysis. A. 50 ug mouse liver lysate/extract. 12 % SDS-PAGE. HPRT antibody (TA308902) dilution: 1:500



Immunohistochemical analysis of paraffin-embedded NCI-N87 xenograft, using HPRT (TA308902) antibody at 1:100 dilution.



Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using HPRT (TA308902) antibody at 1:200 dilution.