

## Product datasheet for **TA308901**

### 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 1 and 218 of HPRT (Uniprot ID#P00492)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
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:	<a href="#">NP_000185</a> <a href="#">Entrez Gene 24465 Rat</a> <a href="#">Entrez Gene 442945 Dog</a> <a href="#">Entrez Gene 3251 Human P00492</a>
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



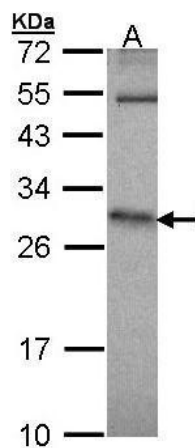
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**Note:** Seq homology of immunogen across species: Chicken (91%), Dog (96%), Pig (97%), Rabbit (98%), Rat (97%), Xenopus laevis (90%), Zebrafish (92%), Bovine (95%), Xenopus tropicalis (90%)

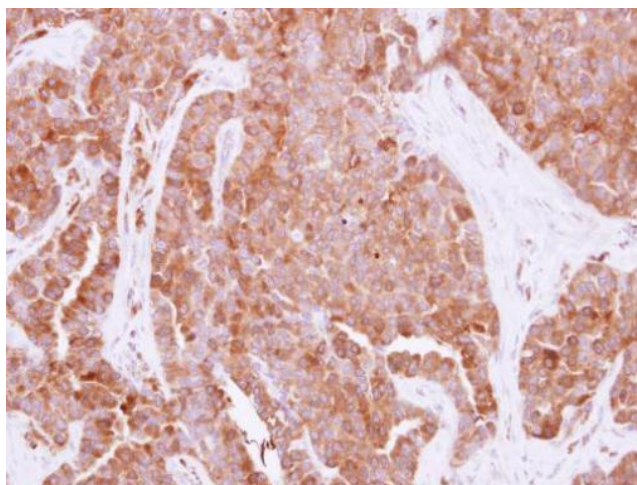
**Protein Families:** Druggable Genome, Stem cell - Pluripotency

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

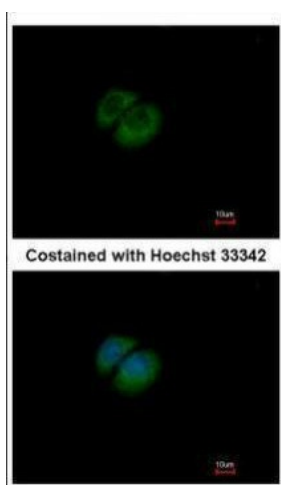
**Product images:**



Sample (30 ug of whole cell lysate). A: IMR32 12% SDS PAGE. TA308901 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded AdCA, using HPRT (TA308901) antibody at 1:500 dilution.



Immunofluorescence analysis of methanol-fixed A549, using HPRT (TA308901) antibody at 1:500 dilution.