

Product datasheet for **TA346600**

GNPDA1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-GNPDA1 antibody: synthetic peptide directed towards the C terminal of human GNPDA1. Synthetic peptide located within the following region: EGVNHMWTVSAFQQHPRTVFCDEEDATLELKVKTVKYFKGLMLVHNLVD
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33 kDa
Gene Name:	glucosamine-6-phosphate deaminase 1
Database Link:	NP_005462 Entrez Gene 10007 Human P46926



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Background:

Glucosamine-6-phosphate deaminase (EC 3.5.99.6) is an allosteric enzyme that catalyzes the reversible conversion of D-glucosamine-6-phosphate into D-fructose-6-phosphate and ammonium (Arreola et al., 2003 [PubMed 12965206]). [supplied by OMIM, Jan 2010].
Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. ##Evidence-Data-START## Transcript exon combination :: BC022322.1, AK290686.1 [ECO:0000332]
RNAseq introns :: single sample supports all introns ERS025081, ERS025082 [ECO:0000348]
##Evidence-Data-END## COMPLETENESS: complete on the 3' end.

Synonyms:

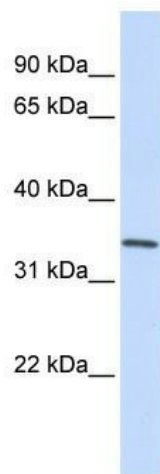
GNP1; GNPDA; GNPI; GPI; HLN

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 93%

Protein Pathways:

Amino sugar and nucleotide sugar metabolism, Metabolic pathways

Product images:

WB Suggested Anti-GNPDA1 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 2500; Positive Control:
Human Lung