

Rabbit anti-Human, Mouse GNPDA2 Polyclonal Antibody | anti-GNPDA2 antibody

GNPDA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39290	Rabbit	Human, Mouse	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

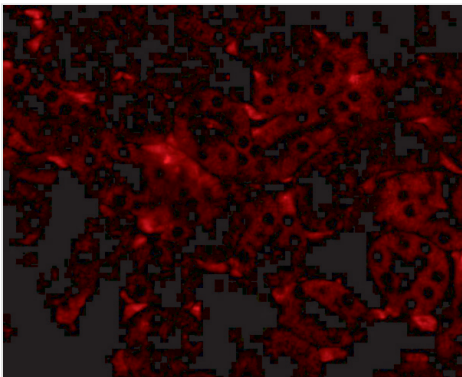
PRODUCT SYNONYMS

GNPDA2; Polyclonal Antibody; GNPDA2 Antibody; GNP2; SB52; Glucosamine-6-phosphate isomerase 2; Glucosamine-6-phosphate deaminase 2; GNPDA 2; glucosamine-6-phosphate deaminase 2; anti-GNPDA2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	GNPDA2 antibody is predicted to not cross-react with GNPDA1.
Purity/Purification	GNPDA2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	276
Applicable Applications for anti-GNPDA2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	GNPDA2 antibody was raised against an 8 amino acid synthetic peptide near the carboxy terminus of human GNPDA2.
Buffer	GNPDA2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	GNPDA2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

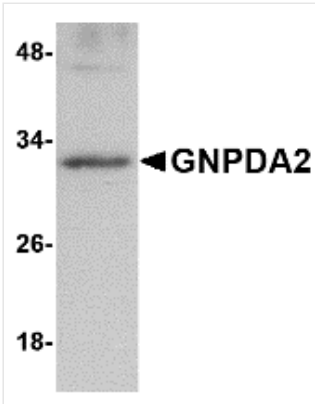
IMAGES



IF (Immunofluorescence)
Immunofluorescence of GNPDA2 in mouse kidney tissue with GNPDA2 antibody at 1 μg/mL.



ICC (Immunocytochemistry)
Immunocytochemistry of GNPDA2 in 293 cells with GNPDA2 antibody at 4 μg/mL.



WB (Western Blot)
Western blot analysis of GNPDA2 in human kidney lysate with GNPDA2 antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-GNPDA2 antibody	GNPDA2 Antibody: Glucosamine-6-phosphate deaminase (GNPDA) is an allosteric enzyme that catalyzes the reversible conversion of D-glucosamine-6-phosphate into D-fructose-6-phosphate and ammonium. GNPDA2 is the second mammalian glucosamine-6-phosphate deaminase discovered, and is closer in structure and activity to the E. coli enzyme than GNPDA1. GNPDA1 possesses greater affinity for ammonium than either GNPDA2 or the E. coli enzyme suggesting that the forward reaction of D-glucosamine-6-phosphate into D-fructose-6-phosphate and ammonium is catalyzed at a slower rate than GNPDA2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19923881
NCBI GeneID	132789
NCBI Accession #	NP_612208
NCBI GenBank Nucleotide #	NM_138335.2
UniProt Accession #	Q8TDQ7; Q2VYF1; Q59EA7; Q8NCZ8; Q96BJ4; Q96NC6; B4DJF3
Molecular Weight	27,091 Da
NCBI Official Full Name	glucosamine-6-phosphate isomerase 2 isoform 1
NCBI Official Synonym Full Names	glucosamine-6-phosphate deaminase 2
NCBI Official Symbol	GNPDA2

NCBI Official Synonym Symbols	GNP2; SB52
NCBI Protein Information	glucosamine-6-phosphate isomerase 2; glcN6P deaminase 2; glucosamine-6-phosphate isomerase SB52
UniProt Protein Name	Glucosamine-6-phosphate isomerase 2
UniProt Gene Name	GNPDA2
UniProt Synonym Gene Names	GNP2; GNPDA 2; GlcN6P deaminase 2
UniProt Entry Name	GNPI2_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/polyclonal/gnpda2-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/39290>