

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

GNPDA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301986	Rabbit	Human, Mouse	Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

GNPDA2; Polyclonal Antibody; GNPDA2 Antibody; Glucosamine-6-phosphate deaminase 2; GNPI; anti-GNPDA2 antibody

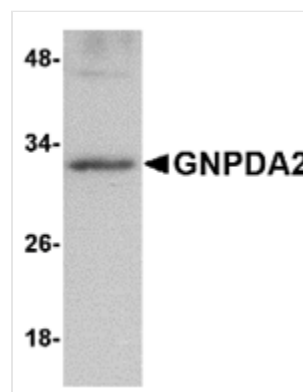
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	GNPDA2 antibody is predicted to not cross-react with GNPDA1.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	276
Applicable Applications for anti-GNPDA2 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against an 8 amino acid peptide near the carboxy terminus of human GNPDA2.
Target Name	GNPDA2
Preparation and Storage	Can be stored at -20 degree C, stable for 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


ICC (Immunocytochemistry)

Immunocytochemistry of GNPDA2 in 293 cells with GNPDA2 antibody at 4 ug/mL.


WB (Western Blot)

Western blot analysis of GNPDA2 in human kidney lysate with GNPDA2 antibody at 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-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.
Product Categories/Family for anti-GNPDA2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923881
NCBI GeneID	132789
NCBI Accession #	NP_612208
NCBI GenBank Nucleotide #	NM_138335.2
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/gnpda2-antibody-immunocytochemistry-western-blot-elisa/301986>