

Datasheet for ABIN6991073
anti-GNPDA2 antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	GNPDA2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNPDA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	GNPDA2 antibody was raised against an 8 amino acid synthetic peptide near the carboxy terminus of human GNPDA2. The immunogen is located within the last 50 amino acids of GNPDA2.
Isotype:	IgG
Specificity:	GNPDA2 antibody is predicted to not cross-react with GNPDA1.
Purification:	GNPDA2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	GNPDA2
Alternative Name:	GNPDA2 (GNPDA2 Products)

Target Details

Background: 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.

Gene ID: 132789

NCBI Accession: [NP_612208](#)

UniProt: [Q8TDQ7](#)

Application Details

Application Notes: GNPDA2 antibody can be used for detection of GNPDA2 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 4 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: GNPDA2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: GNPDA2 antibody can be stored at 4°C for three months and -20°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.