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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-GNPDA2 Antibody

Catalog Number: A06565

About GNPDA2

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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Overview

Product Name	Anti-GNPDA2 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-GNPDA2 Antibody (Catalog # A06565). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	GNPDA2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	GNPDA2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q8TDQ7

Technical Details

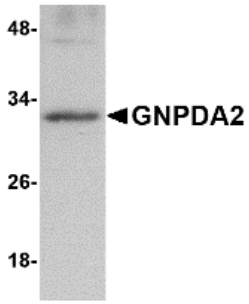
Immunogen	GNPDA2 antibody was raised against an 8 amino acid synthetic peptide near the carboxy terminus of human GNPDA2. The immunogen is located within the last 50 amino acids of GNPDA2.
Predicted Reactive Species	Bovine
Cross Reactivity	GNPDA2 antibody is predicted to not cross-react with GNPDA1.

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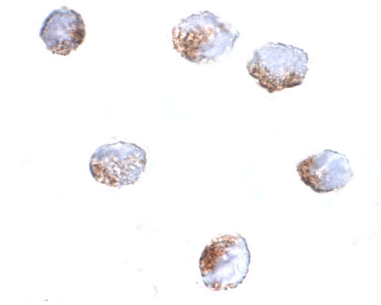
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	GNPDA2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	GNPDA2 antibody can be used for detection of GNPDA2 by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 4 ug/mL. For immunofluorescence start at 20 ug/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. Optimal dilutions for each application should be determined by the researcher.

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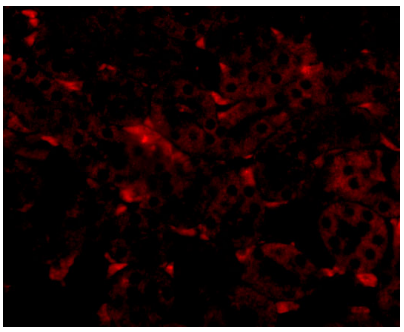
Anti-GNPDA2 Antibody (A06565) Images



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



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



Immunofluorescence of GNPDA2 in mouse kidney tissue with GNPDA2 antibody at 20 ug/mL.

Anti-GNPDA2 Antibody

For Research Use Only. Not for use in diagnostic procedures.