
GNPDA1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254028

Unit: 0.1 mg

Description:

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. GNPDA1 is one of two mammalian glucosamine-6-phosphate deaminases that are thought to have arisen through gene duplication, with the GNPDA2 protein closer in structure and activity to the E. coli enzyme. 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. GNPDA1 is predicted to not cross-react with GNPDA2.

Isotype: Rabbit Ig

Applications: E, WB, ICC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: GNPDA1; Glucosamine-6-phosphate deaminase 1; GNPI; GNPI1

Accession No.: AAC05123

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human GNPDA1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; ICC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.