



## Human GNPDA2 blocking peptide (CDBP1387)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Product Overview</b>	Blocking peptide for anti-GNPDA2 antibody
<b>Antigen Description</b>	The protein encoded by this gene is an allosteric enzyme that catalyzes the reversible reaction converting D-glucosamine-6-phosphate into D-fructose-6-phosphate and ammonium. Variations of this gene have been reported to be associated with influencing body mass index and susceptibility to obesity. A pseudogene of this gene is located on chromosome 9. Alternative splicing results in multiple transcript variants that encode different protein isoforms.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/ml
<b>Size</b>	50 µg
<b>Buffer</b>	PBS containing 0.02% sodium azide
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C, stable for one year.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">GNPDA2 glucosamine-6-phosphate deaminase 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	GNPDA2

<b>Synonyms</b>	GNPDA2; glucosamine-6-phosphate deaminase 2; glucosamine-6-phosphate isomerase 2; glucosamine 6 phosphate isomerase; SB52; GNPDA 2; 4921523118Rik; glcN6P deaminase 2; glucosamine-6-phosphate isomerase SB52; putative glucosamine-6-phosphate isomerase; GNP2;
<b>Entrez Gene ID</b>	<a href="#">132789</a>
<b>mRNA Refseq</b>	<a href="#">NM_138335</a>
<b>Protein Refseq</b>	<a href="#">NP_612208</a>
<b>UniProt ID</b>	Q8TDQ7
<b>Chromosome Location</b>	4p13
<b>Pathway</b>	Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; N-acetylglucosamine degradation I, organism-specific biosystem; N-acetylglucosamine degradation II, organism-specific biosystem; UDP-N-acetyl-D-galactosamine biosynthesis II, organism-specific biosystem;
<b>Function</b>	glucosamine-6-phosphate deaminase activity; hydrolase activity; isomerase activity;