

For Research Use Only

GNPDA2 Polyclonal antibody

Catalog Number: 17105-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

17105-1-AP

Size:

150ul, Concentration: 240 ug/ml by Nanodrop and 180 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10780

GenBank Accession Number:

BC015532

GeneID (NCBI):

132789

UNIPROT ID:

Q8TDQ7

Full Name:

glucosamine-6-phosphate deaminase

2

Calculated MW:

275 aa, 31 kDa

Observed MW:

31 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: rat kidney tissue, mouse kidney tissue

IHC: human breast cancer tissue, human spleen tissue, mouse kidney tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

GNPDA2 (Glucosamine-6-phosphate deaminase 2) is also named as GNP2 and belongs to the glucosamine/galactosamine-6-phosphate isomerase family. It catalyzes the reversible conversion of D-glucosamine-6-phosphate into D-fructose-6-phosphate and ammonium. Human GNPDA1 and GNPDA2 shared the same fold and were predicted to form hexameric particles (PMID:12965206). This protein has 5 isoforms produced by alternative splicing with the molecular weight of 31 kDa, 29 kDa, 23 kDa and 27 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Sanna Oikari	26887390	Glycobiology	WB
Lijun Wu	31467530	Int J Endocrinol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

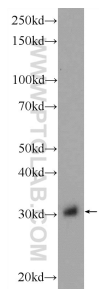
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

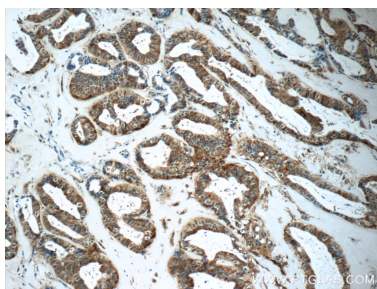
E: proteintech@ptglab.com
W: ptglab.com

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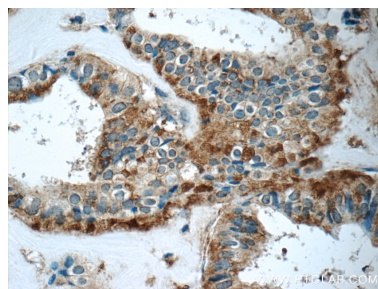
Selected Validation Data



rat kidney tissue were subjected to SDS PAGE followed by western blot with 17105-1-AP (GNPDA2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17105-1-AP (GNPDA2 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17105-1-AP (GNPDA2 Antibody) at dilution of 1:50 (under 40x lens).