

For Research Use Only

GPAA1 Polyclonal antibody

Catalog Number: 10104-1-AP

4 Publications



Basic Information

Catalog Number:

10104-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0152

GenBank Accession Number:

BC004129

GeneID (NCBI):

8733

UNIPROT ID:

O43292

Full Name:

glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)

Calculated MW:

68 kDa

Observed MW:

60-68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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

Positive Controls:

WB : HuH-7 cells, HepG2 cells, mouse brain tissue, rat brain tissue, MCF-7 cells, MKN-45 cells

IHC : human stomach cancer tissue,

Background Information

GPAA1(Glycosylphosphatidylinositol anchor attachment 1 protein) is also named as GAA1. It is the most conspicuously hydrophobic of the known subunits of GPIT, and it may play a key role in substrate recognition. It is predicted to be a multispanning membrane protein of 67 kDa with seven transmembrane (TM) domains, a large luminal domain between the first two TM segments, and a cytoplasmically oriented N terminus bearing a potential ER retrieval signal in the form of a diarginine motif(PMID:12052837). It has 2 isoforms produced by alternative splicing and the full length protein has 2 glycosylation sites. This antibody is specific to GPAA1.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiani Wang	39958919	Liver Res	WB,IHC
Alok K Mishra	38573857	Cell Rep	WB
B Vijayalakshmi Ayyar	36854760	Nat Commun	IF

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

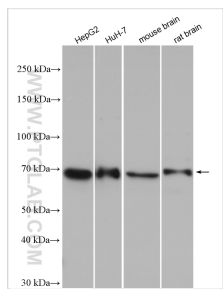
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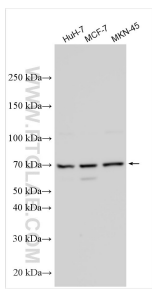
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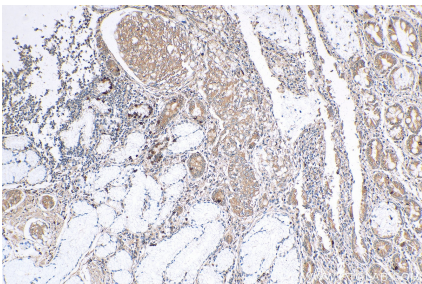
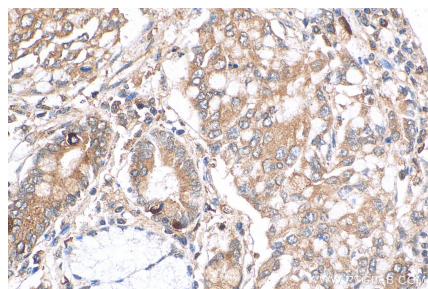
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10104-1-AP (GPAA1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 10104-1-AP (GPAA1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 10104-1-AP (GPAA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).