

## GPAA1 Polyclonal antibody

Catalog Number: 10104-1-AP

3 Publications

## Basic Information

## Catalog Number:

10104-1-AP

## Size:

400 µg/ml

## 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 1:500-1:2000

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, WB, ELISA

## Cited Applications:

WB, IF, IHC

## 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** : HepG2 cells, HuH-7 cells, mouse brain tissue, rat brain tissue

**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 lumenal 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
Alok K Mishra	38573857	Cell Rep	WB
B Vijayalakshmi Ayyar	36854760	Nat Commun	IF
Nagpal Jatin K JK	18487995	Mod Pathol	IHC

## 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

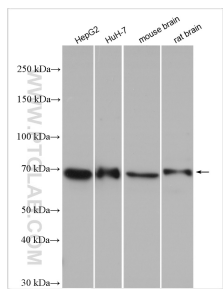
For technical support and original validation data for this product please contact:

T: 4006900926

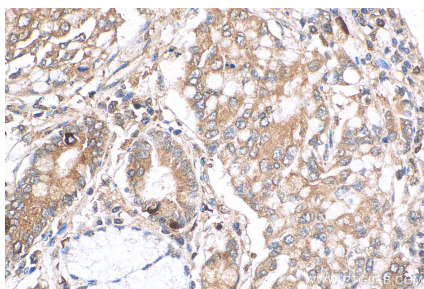
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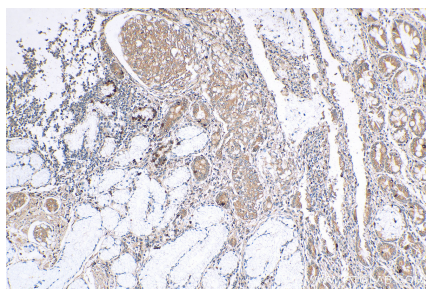
## Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 10104-1-AP (GPAA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).