

For Research Use Only

GPAA1 Polyclonal antibody

Catalog Number: 10104-1-AP **2 Publications**



Basic Information

Catalog Number: 10104-1-AP	GenBank Accession Number: BC004129	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 8733	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	
Isotype: IgG	Calculated MW: 68 kDa	
Immunogen Catalog Number: AG0152	Observed MW: 60-68 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC	WB : HepG2 cells, HuH-7 cells, mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	IHC : human stomach cancer tissue,
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

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 multispinning 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
B Vijayalakshmi Ayyar	36854760	Nat Commun	IF
Nagpal Jatin K JK	18487995	Mod Pathol	IHC

Storage

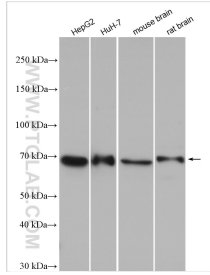
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

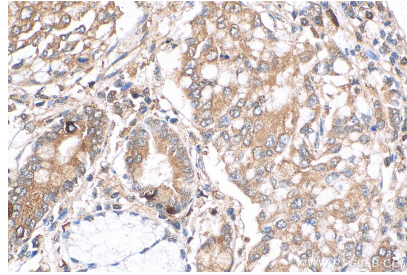
For technical support and original validation data for this product please contact:
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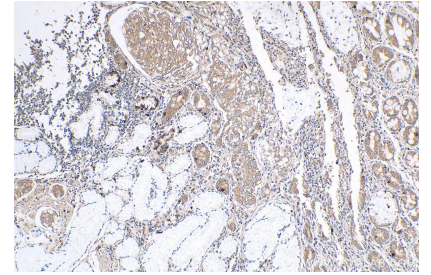
Selected Validation Data



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).