

For Research Use Only

GPAA1 Polyclonal antibody

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



Basic Information

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| Catalog Number: 10104-1-AP | GenBank Accession Number: BC004129 | Purification Method: Antigen affinity purification |
| Size: 400 µg/ml | GeneID (NCBI): 8733 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: O43292 | |
| Isotype: IgG | Full Name: glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast) | |
| Immunogen Catalog Number: AG0152 | Calculated MW: 68 kDa | |
| | Observed MW: 60-68 kDa | |

Applications

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

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 multispreading 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 |

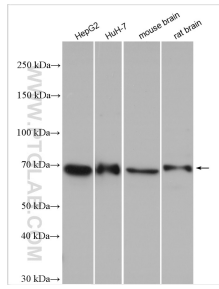
Storage

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

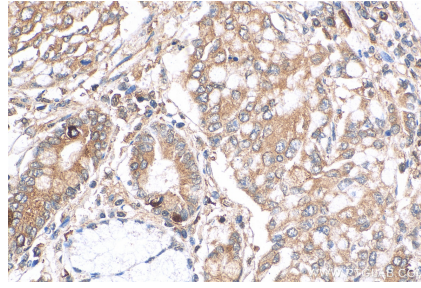
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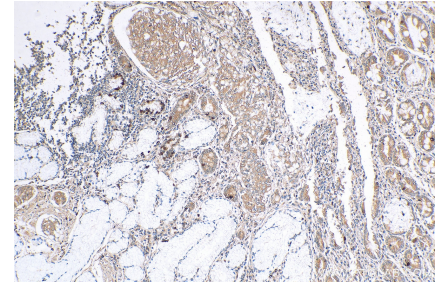
Selected Validation Data



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).