For Research Use Only

AGA Polyclonal antibody

Catalog Number:17299-1-AP 1 Publications

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Basic Information

Catalog Number:
17299-1-AP

Size:
400 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10681

GenBank Accession Number:
BC012392

GeneID (NCBI):
175

UNIPROT ID:
P20933

Full Name:
aspartylglucosaminidase

Calculated MW:
346 aa, 37 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC 1:50-1:500

Applications

Tested Applications:
IHC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, rat

Cited Species:
human

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:

IHC : mouse kidney tissue, human breast cancer tissue

Background Information

AGA(Aspartylglucosaminidase) is also named as N(4)-(beta-N-acetylglucosaminyl)-L-asparaginase and glycosylasparaginase.The open reading frame of the readthrough transcript would indicate AGA close to 40 kDa.It can be cleaved into 2 chains:the 24 kDa α - and 17 kDa β -subunits of the wild-type AGA,in addition,an aberrant polypeptide with a mol.wt of 21 kDa is also detected as a product of proteolytic cleavage of the mutant precursor molecule(PMID: 9425233).AGA can exsit as a dimer with the mol.wt between 100 kDa and 49 kDa and His124 at an interface between two heterodimers of AGA is crucial for the thermodynamically stable oligomeric structure of AGA. (PMID:9737998). It can also exsit as a heterotetrameric protein of 88 kDa(PMID:1733831).

Notable Publications

Author	Pubmed ID	Journal	Application
Elena B Tikhonova	31100385	J Mol Biol	WB,IF

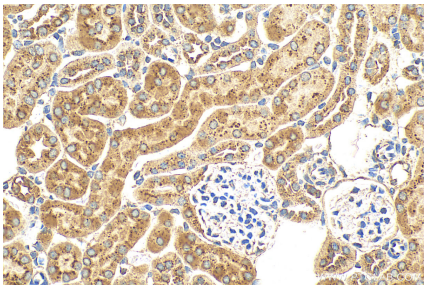
Storage

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

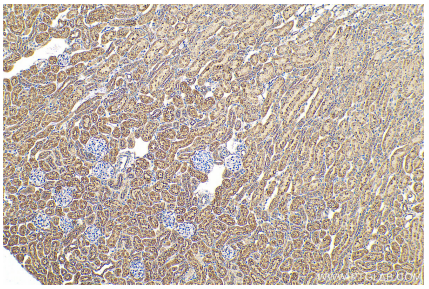
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 17299-1-AP (AGA 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 mouse kidney tissue slide using 17299-1-AP (AGA antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).