

For Research Use Only

AGA Polyclonal antibody

Catalog Number: 17299-1-AP

1 Publications



Basic Information

Catalog Number: 17299-1-AP	GenBank Accession Number: BC012392	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 175	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P20933	
Isotype: IgG	Full Name: aspartylglucosaminidase	
Immunogen Catalog Number: AG10681	Calculated MW: 346 aa, 37 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse kidney tissue, human breast cancer tissue
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	

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 exist 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 exist 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

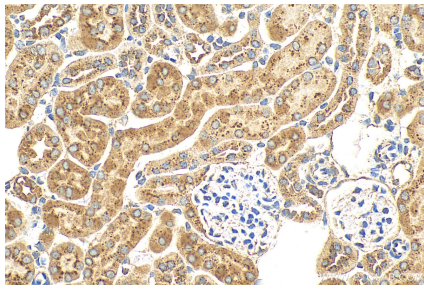
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

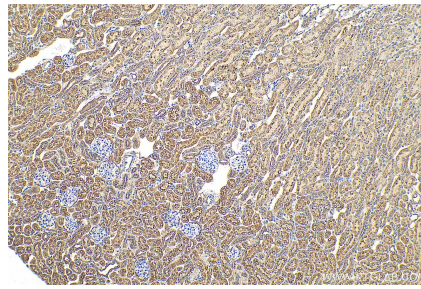
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).