

For Research Use Only

CA5B Polyclonal antibody

Catalog Number: 13342-1-AP

1 Publications



Basic Information

Catalog Number: 13342-1-AP	GenBank Accession Number: BC028142	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11238	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:300-1:1200
Source: Rabbit	Full Name: carbonic anhydrase VB, mitochondrial	
Isotype: IgG	Calculated MW: 317 aa, 36 kDa	
Immunogen Catalog Number: AG4166	Observed MW: 32 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : mouse testis tissue,
Species Specificity: human, mouse, rat	IHC : human kidney tissue,
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

CA5B (Carbonic anhydrase 5B, mitochondrial) is also named as CA-VB and belongs to the alpha-carbonic anhydrase family. CA5B encodes a 317-amino acid protein that has 64% sequence similarity with CA5 (114761), a mitochondrial CA, and contains a 33-amino-acid residue signal sequence. Western blot analysis revealed a 36-kD protein precursor and a 32-kD mature protein (PMID:10409679).

Notable Publications

Author	Pubmed ID	Journal	Application
Oliva Palander	33872598	J Biol Chem	WB

Storage

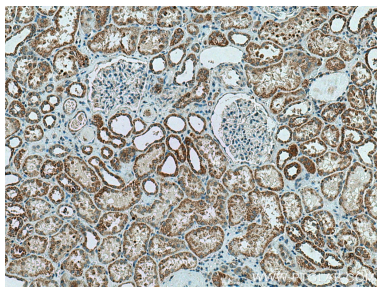
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

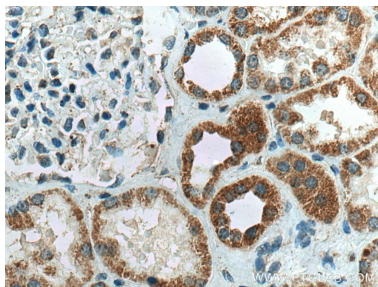
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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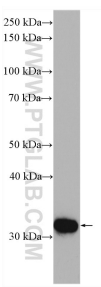
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 13342-1-AP (CA5B antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 13342-1-AP (CA5B antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse testis tissue were subjected to SDS PAGE followed by western blot with 13342-1-AP (CA5B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.