

For Research Use Only

CA5B Polyclonal antibody

Catalog Number: 13342-1-AP

1 Publications



Basic Information

Catalog Number:

13342-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4166

GenBank Accession Number:

BC028142

GeneID (NCBI):

11238

UNIPROT ID:

Q9Y2D0

Full Name:

carbonic anhydrase VB, mitochondrial

Calculated MW:

317 aa, 36 kDa

Observed MW:

32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:6000

IHC: 1:300-1:1200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse testis tissue,

IHC : human kidney tissue,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

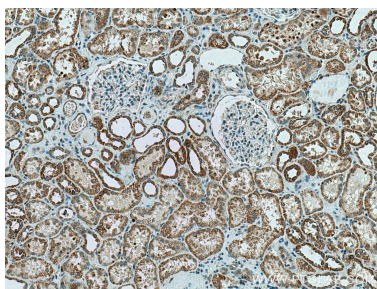
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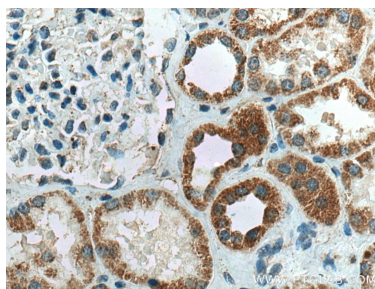
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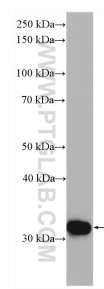
Selected Validation Data



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.