

For Research Use Only

CA13 Recombinant antibody

Catalog Number: 86178-1-RR



Basic Information

Catalog Number:

86178-1-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10086

GenBank Accession Number:

BC052602

GeneID (NCBI):

377677

UNIPROT ID:

Q8N1Q1

Full Name:

carbonic anhydrase XIII

Calculated MW:

262 aa, 29 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

250787A12

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HepG2 cells, mouse thymus tissue, NIH/3T3 cells, rat small intestine tissue

Background Information

Carbonic anhydrases (CAs) are zinc-containing metalloenzymes that catalyze the reversible hydration of carbon dioxide. The mammalian α -CA gene family has been reported to include at least eleven enzymatically active isoforms with different structural and catalytic properties. Four of the active CA isozymes are cytosolic (CA I, II, III, and VII), four are membrane-associated (CA IV, IX, XII, and XIV), two are mitochondrial (CA VA and VB), and one is a secretory form (CA VI). CA13 is a cytosolic protein that may play a role in embryogenesis and perturbation of its function by genetic modification could potentially lead to developmental abnormalities (PMID:14600151).

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

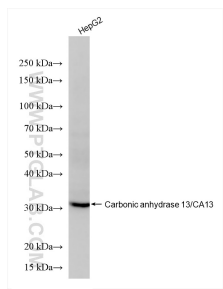
For technical support and original validation data for this product please contact:

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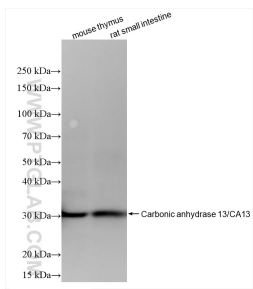
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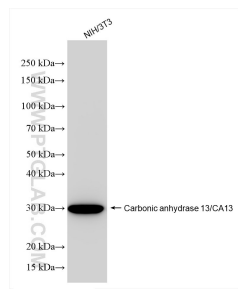
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 86178-1-RR (CA13 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 86178-1-RR (CA13 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 86178-1-RR (CA13 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.