

For Research Use Only

CA13 Recombinant antibody, PBS Only

Catalog Number: 86178-1-PBS



Basic Information

Catalog Number: 86178-1-PBS	GenBank Accession Number: BC052602	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 377677	CloneNo.: 250787A12
Source: Rabbit	UNIPROT ID: Q8N1Q1	
Isotype: IgG	Full Name: carbonic anhydrase XIII	
Immunogen Catalog Number: AG10086	Calculated MW: 262 aa, 29 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

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

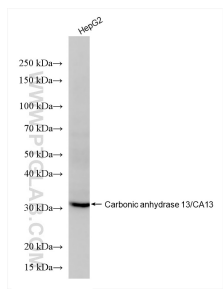
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

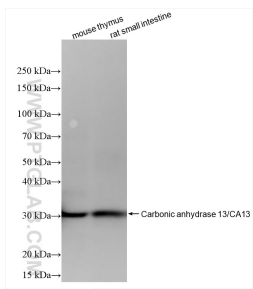
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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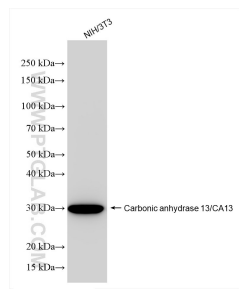
Selected Validation Data



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. This data was developed using the same antibody clone with 86178-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 86178-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 86178-1-PBS in a different storage buffer formulation.