

CA1 Polyclonal Antibody

Catalog number: 13198-2-AP

Size: 66 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

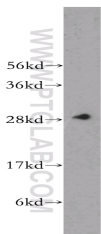
CA1; CA I, CA1, CAB, Car1,

Carbonate dehydratase I,

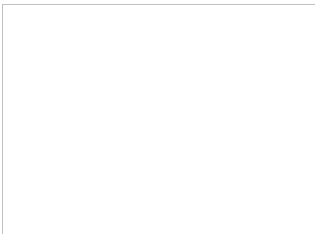
Carbonic anhydrase 1, Carbonic

anhydrase B, carbonic

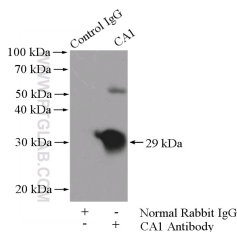
anhydrase I



Jurkat cells were subjected to SDS PAGE followed by western blot with 13198-2-AP(CA1 antibody) at dilution of 1:500



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using 13198-2-AP(CA1 Antibody) at dilution of 1:200 (under 40x lens).



IP Result of anti-CA1 (IP:13198-2-AP, 4ug; Detection:13198-2-AP 1:500) with K-562 cells lysate 1200ug.

Background

CA1(Carbonic anhydrase 1) is also named as CAB and belongs to the alpha-carbonic anhydrase family, which may reside in cytoplasm, in mitochondria, or in secretory granules, or associate with membranes in cell. It forms a large family of genes encoding zinc metalloenzymes of great physiologic importance. Extracellular CA1 mediates hemorrhagic retinal and cerebral vascular permeability through prekallikrein activation(PMID:17259996).

Applications

Tested applications:	ELISA, WB, IP, IHC
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated CA1 MW:	261aa,29 kDa
Observed CA1 MW:	29 kDa
Positive WB detected in	Jurkat cells, mouse spleen tissue, rat spleen tissue
Positive IP detected in	K-562 cells
Positive IHC detected in	Human tonsillitis tissue
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:2000
	IHC: 1:50-1:500

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3932
GenBank accession number:	BC027890
Gene ID (NCBI):	759
Full name:	Carbonic anhydrase I

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.