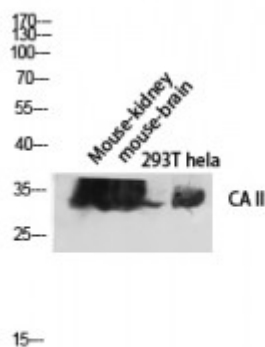


Anti-CA II antibody



Description	Rabbit polyclonal to CA II.
Model	STJ91938
Host	Rabbit
Reactivity	Human, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human CA II.
Immunogen Region	C-terminal
Gene ID	760
Gene Symbol	CA2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	CA II Polyclonal Antibody detects endogenous levels of CA II protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Carbonic anhydrase 2 Carbonate dehydratase II Carbonic anhydrase C CAC Carbonic anhydrase II CA-II
Molecular Weight	29 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1373OMIM:259730
Alternative Names	Carbonic anhydrase 2 Carbonate dehydratase II Carbonic anhydrase C CAC Carbonic anhydrase II CA-II
Function	Essential for bone resorption and osteoclast differentiation . Reversible hydration of carbon dioxide. Can hydrate cyanamide to urea. Involved in the regulation of fluid secretion into the anterior chamber of the eye. Contributes to intracellular pH regulation in the duodenal upper villous epithelium during proton-coupled peptide absorption. Stimulates the chloride-bicarbonate exchange activity of SLC26A6.
Cellular Localization	Cytoplasm Cell membrane. Colocalized with SLC26A6 at the surface of the cell membrane in order to form a bicarbonate transport metabolon. Displaced from the cytosolic surface of the cell membrane by PKC in phorbol myristate acetate (PMA)-induced cells.

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