

## Product datasheet for **TA323748**

### Carbonic Anhydrase II (CA2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse intestinum tenue and heart tissue
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	29 kDa
Gene Name:	carbonic anhydrase 2
Database Link:	<a href="#">NP_000058</a> <a href="#">Entrez Gene 760 Human</a> <a href="#">P00918</a>
Background:	CA2 is one of several (at least 7) isozymes of carbonic anhydrase. Carbonic anhydrase catalyzes reversible hydration of carbon dioxide. Defects in this enzyme are associated with osteopetrosis and renal tubular acidosis. Essential for bone resorption and osteoclast differentiation By similarity. Reversible hydration of carbon dioxide. Can hydrate cyanamide to urea. Involved in the regulation of fluid secretion into the anterior chamber of the eye.
Synonyms:	CA-II; CAC; CAII; Car2; HEL-76; HEL-S-282
Protein Families:	Druggable Genome



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Protein Pathways: Nitrogen metabolism

### Product images:



Gel: 10+12%SDS-PAGE

Lysate: 40 µg

Lane 1-2: Mouse intestinum tenue tissue  
Mouse heart tissue

Primary antibody: TA323748 (CA2 Antibody) at  
dilution 1/250

Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

Exposure time: 1 minute