

Product datasheet for **TA322418**

Carbonic Anhydrase XIV (CA14) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:2000-10000, WB: 1:1000-5000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 26-290 amino acids of human carbonic anhydrase XIV
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 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:	38 kDa
Gene Name:	carbonic anhydrase 14
Database Link:	NP_036245 Entrez Gene 23632 Human Q9ULX7
Background:	Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes; including respiration; calcification; acid-base balance; bone resorption; and the formation of aqueous humor; cerebrospinal fluid; saliva; and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA XIV is predicted to be a type I membrane protein and shares highest sequence similarity with the other transmembrane CA isoform; CA XII; however; they have different patterns of tissue-specific expression and thus may play different physiologic roles.



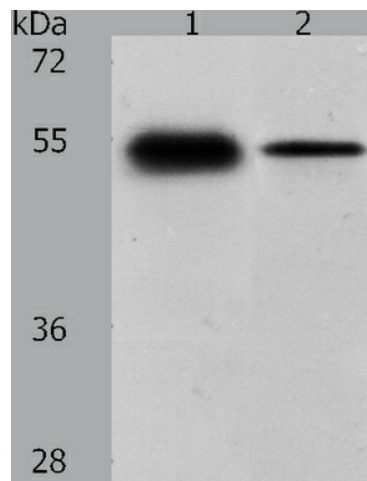
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Synonyms: CAXiV

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Nitrogen metabolism

Product images:



Predicted band size: 38 kDa. Positive control: Human liver cancer and mouse heart tissue lysate. Recommended dilution: 1/1000-5000. (Gel: 10%SDS-PAGE Lane 1: Human liver cancer tissue lysate Lane 2: Mouse heart tissue lysate Lysates: 30 ug per lane Primary antibody: 1/1050 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 20 seconds)