

## **Product datasheet for TA322419**

## OriGene Technologies, Inc.

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## Carbonic Anhydrase XIV (CA14) Rabbit Polyclonal Antibody

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB: 500-2000

WB positive control: Human liver cancer tissue

Reactivity: Human, Mouse

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% NaN3, 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

### Carbonic Anhydrase XIV (CA14) Rabbit Polyclonal Antibody - TA322419

#### Background:

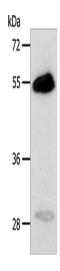
Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes; including respiration; calcification; acid-base balance; bone resorption; and the formation of aqueous humor; cerebrospinal 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.

Synonyms: CAXiV

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Nitrogen metabolism

# **Product images:**



Gel: 10%SDS-PAGE Lysate: 30 μg

Lane: Human liver cancer tissue

Primary antibody: TA322419 (CA14 Antibody) at

dilution 1/400

Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution

Exposure time: 20 seconds