Recombinant Carbonic Anhydrase XIV/CA14 Monoclonal Antibody

catalog number: **AN300091P**

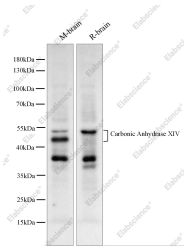
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human Carbonic Anhydrase XIV / CA14 Protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C130068
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB:	1:1000-1:5000

Data



Western blot analysis of Mouse brain and Rat brain cell lysates using Carbonic Anhydrase XIV/CA14 Antibody (AN300091P) at a dilution of 1:1500.

Observed-MW:42 kDa

Calculated-MW:38 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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. [provided by RefSeq, Jul 2008]

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