

A10187

Leader in Biomolecular Solutions for Life Science



CA12 Rabbit pAb

Catalog No.: A10187

Basic Information

Observed MW

50kDa

Calculated MW

39kDa

Category

Mouse Monoclonal Antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse, Rat

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. This gene product is a type I membrane protein that is highly expressed in normal tissues, such as kidney, colon and pancreas, and has been found to be overexpressed in 10% of clear cell renal carcinomas. Three transcript variants encoding different isoforms have been identified for this gene.

Recommended Dilutions

WB 1:200 - 1:2000

Immunogen Information

Gene ID

771

Swiss Prot

O43570

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 25-301 of human CA12 (NP_001209.1).

Synonyms

CAXII; CA-XII; T18816; HsT18816; CA12

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

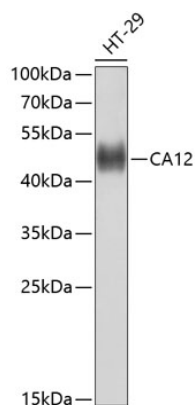
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of lysates from HT-29 cells, using CA12 Rabbit pAb (A10187) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.