



Datasheet for ABIN7255185

## anti-CA12 antibody



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### 1 Image

#### Overview

Quantity:	200 µL
Target:	CA12
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA12 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	Recombinant fusion protein of human CA12 (NP_001209.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

#### Target Details

Target:	CA12
Alternative Name:	CA12 ( <a href="#">CA12 Products</a> )
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

## Target Details

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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.

Molecular Weight: Observed\_MW: 50 kDa  
Calculated\_MW: 38 kDa/39 kDa

Gene ID: 771

UniProt: [O43570](#)

## Application Details

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Application Notes: WB 1:200-1:2000

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

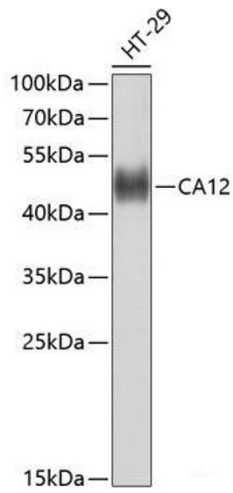
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

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



### Western Blotting

**Image 1.** Western blot analysis of extracts of HT-29 cells using CA12 Polyclonal Antibody at dilution of 1:1000.