



[Go to Product page](#)

Datasheet for ABIN391691  
**anti-CA4 antibody (C-Term)**

1 Image

Overview

Quantity:	400 µL
Target:	CA4
Binding Specificity:	AA 243-272, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This CA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-272 amino acids from the C-terminal region of human CA4.
Clone:	RB18373
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CA4
Alternative Name:	CA4 ( <a href="#">CA4 Products</a> )

## Target Details

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**Background:** CA4 is 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. This protein is a glycosylphosphatidylinositol-anchored membrane isozyme expressed on the luminal surfaces of pulmonary (and certain other) capillaries and proximal renal tubules. Its exact function is not known, however, the protein may have a role in inherited renal abnormalities of bicarbonate transport.

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**Molecular Weight:** 35032

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**Gene ID:** 762

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**NCBI Accession:** [NP\\_000708](#)

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**UniProt:** [P22748](#)

## Application Details

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**Application Notes:** WB: 1:1000

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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**Preservative:** Sodium azide

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

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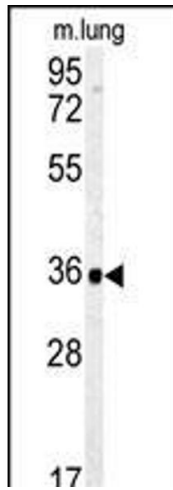
**Storage:** 4 °C,-20 °C

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**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

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**Expiry Date:** 6 months



### Western Blotting

**Image 1.** Western blot analysis of CA4 Antibody (C-term) (ABIN391691 and ABIN2841596) in mouse lung tissue lysates (35 µg/lane). CA4 (arrow) was detected using the purified Pab.