



[Go to Product page](#)

Datasheet for ABIN391954
anti-CA3 antibody (N-Term)

2 Images

2 Publications

Overview

Quantity:	400 µL
Target:	CA3
Binding Specificity:	AA 17-46, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This CA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-46 amino acids from the N-terminal region of human CA3.
Clone:	RB18370
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CA3
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Target Details

Alternative Name:	CA3 (CA3 Products)
Background:	Carbonic anhydrase III (CAIII) is a member of carbonic anhydrase isozymes. These carbonic anhydrases are a class of metalloenzymes that catalyze the reversible hydration of carbon dioxide and are differentially expressed in a number of cell types. The expression of the CA3 gene is strictly tissue specific and present at high levels in skeletal muscle and much lower levels in cardiac and smooth muscle. A proportion of carriers of Duchenne muscle dystrophy have a higher CA3 level than normal.
Molecular Weight:	29557
Gene ID:	761
NCBI Accession:	NP_005172
UniProt:	P07451

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

Handling

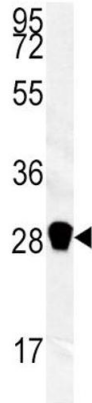
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	6 months

Publications

Product cited in:	Chen, Hou, Fan, Jin, Wang: "Sonic hedgehog protein regulates fibroblast growth factor 8 expression in metanephric explant culture from BALB/c mice: Possible mechanisms associated
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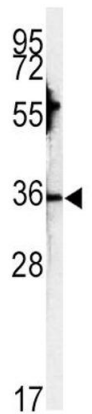
with renal morphogenesis." in: **Molecular medicine reports**, Vol. 14, Issue 4, pp. 2929-36, (2017)
([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of CA3 antibody (N-term) (ABIN391954 and ABIN2841752) in mouse kidney tissue lysates (35 µg/lane). CA3 (arrow) was detected using the purified Pab.



Western Blotting

Image 2. Western blot analysis of CA3 antibody (N-term) (ABIN391954 and ABIN2841752) in HepG2 cell line lysates (35 µg/lane). CA3 (arrow) was detected using the purified Pab.