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Datasheet for ABIN652368 anti-CA3 antibody (AA 146-177)

2 Images



Overview

Quantity:	400 µL
Target:	CA3
Binding Specificity:	AA 146-177
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 146-177 amino acids from the Central region of human CA3.
Clone:	RB18371
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CA3
Alternative Name:	CA3 (CA3 Products)

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Target Details	
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. IHC-P: 1:10~50
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

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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. CA3 Antibody (Center) (ABIN652368 and ABIN2841753) IHC analysis in formalin fixed and paraffin embedded skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CA3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of CA3 Antibody (Center) (ABIN652368 and ABIN2841753) in mouse liver tissue lysates (35 µg/lane). CA3 (arrow) was detected using the purified Pab.



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