

Datasheet for ABIN7428089
anti-CA4 antibody (AA 20-220)

2 Images

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Overview

Quantity:	100 µL
Target:	CA4
Binding Specificity:	AA 20-220
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CA4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Carbonic Anhydrase IV (CA4)
Immunogen:	Recombinant Carbonic Anhydrase IV (CA4) corresponding to Ser20~Ser220 with N-terminal His Tag
Clone:	7-2-3
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against CA4. It has been selected for its ability to recognize CA4 in immunohistochemical staining and western blotting.
Purification:	Protein A + Protein G affinity chromatography

Target Details

Target:	CA4
Alternative Name:	Carbonic Anhydrase IV (CA4 Products)
Background:	CA-IV, CAIV, Car4, RP17, Retinitis Pigmentosa 17(Autosomal Dominant), Carbonate dehydratase IV

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

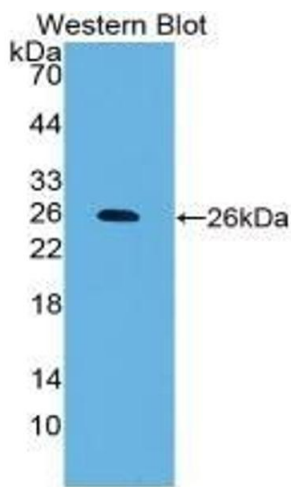
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Immunohistochemistry

Image 1. Detection of CA4 in Rat Skeletal muscle Tissue using Monoclonal Antibody to Carbonic Anhydrase IV (CA4)



Western Blotting

Image 2. Detection of Recombinant CA4, Rat using Monoclonal Antibody to Carbonic Anhydrase IV (CA4)