



Product datasheet

Anti-Carbonic Anhydrase 4/CA4 antibody [C1] ab239505

[1 References](#) [3 Images](#)

Overview

Product name	Anti-Carbonic Anhydrase 4/CA4 antibody [C1]
Description	Mouse monoclonal [C1] to Carbonic Anhydrase 4/CA4
Host species	Mouse
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Rat
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Rat Carbonic Anhydrase 4/CA4 aa 1-250. Two N-terminal tags, His-tag and T7-tag (Expressed in E.coli). Database link: P48284
	 Run BLAST with  Run BLAST with
Positive control	IHC-P: Rat skeletal muscle tissue. WB: Rat lung and brain lysates; Recombinant rat Carbonic Anhydrase IV/CA4 protein.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Protein A/G purified
Purification notes	Purified from TCS.

Clonality	Monoclonal
Clone number	C1
Isotype	IgG2b
Light chain type	kappa

Applications

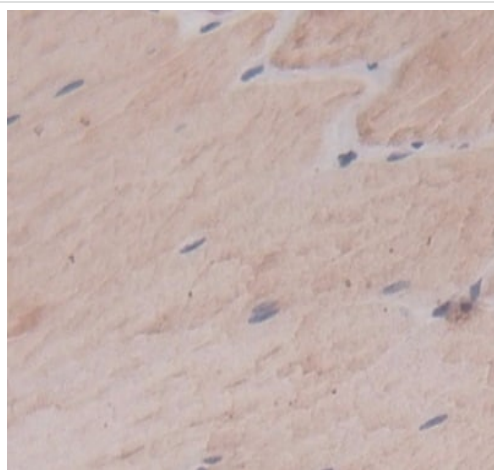
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab239505 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 30 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 35 kDa.

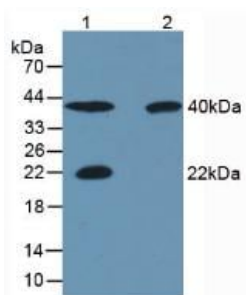
Target

Images



Paraffin-embedded rat skeletal muscle tissue stained for Carbonic Anhydrase 4/CA4 using ab239505 at 30 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carbonic Anhydrase 4/CA4 antibody [C1] (ab239505)



Western blot - Anti-Carbonic Anhydrase 4/CA4 antibody [C1] (ab239505)

All lanes : Anti-Carbonic Anhydrase 4/CA4 antibody [C1] (ab239505) at 2 µg/ml

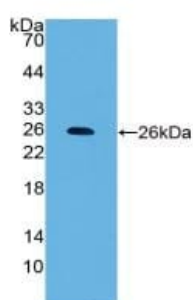
Lane 1 : Rat lung lysate

Lane 2 : Rat brain lysate

Secondary

All lanes : HRP-Linked Rabbit Anti-Mouse IgG at 1/5000 dilution

Predicted band size: 35 kDa



Western blot - Anti-Carbonic Anhydrase 4/CA4 antibody [C1] (ab239505)

Anti-Carbonic Anhydrase 4/CA4 antibody [C1] (ab239505) at 2 µg/ml + Recombinant rat Carbonic Anhydrase IV/CA4 protein

Secondary

HRP-Linked Rabbit Anti-Mouse IgG at 1/5000 dilution

Predicted band size: 35 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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