


Product datasheet

Anti-Carbonic Anhydrase 3/CA3 antibody [C2]
ab239504

2 Images

Overview

Product name	Anti-Carbonic Anhydrase 3/CA3 antibody [C2]
Description	Mouse monoclonal [C2] to Carbonic Anhydrase 3/CA3
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat, Human, Pig Predicted to work with: Mouse 
Immunogen	Recombinant full length protein (His-tag) corresponding to Human Carbonic Anhydrase 3/CA3 aa 1 to the C-terminus. N-terminal His Tag (Expressed in E.coli). Database link: P07451 Run BLAST with Run BLAST with
Positive control	WB: Recombinant human Carbonic Anhydrase 3/CA3 protein; Pig and rat skeletal muscle lysate; human liver and lung lysates.
General notes	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. 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

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: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Protein A/G purified
Purification notes	Purified from TCS.

Clonality	Monoclonal
Clone number	C2
Isotype	IgG2a
Light chain type	kappa

Applications

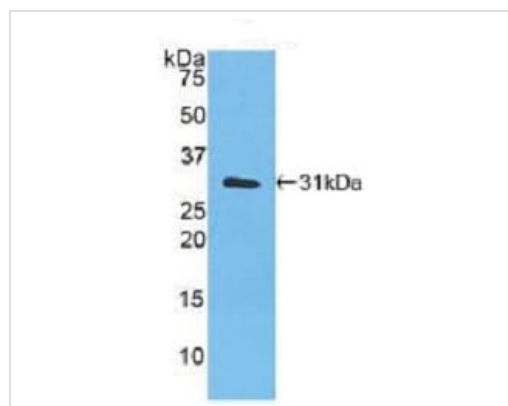
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab239504 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

Function	Reversible hydration of carbon dioxide.
Tissue specificity	Muscle specific.
Sequence similarities	Belongs to the alpha-carbonic anhydrase family.
Developmental stage	At 6 weeks gestation, transcripts accumulate at low levels in the somites and at high levels throughout the notochord. As gestation continues, CA3 becomes abundant in all developing muscle masses and continues at high to moderate levels in the notochord.
Post-translational modifications	S-glutathionylated in hepatocytes under oxidative stress.
Cellular localization	Cytoplasm.

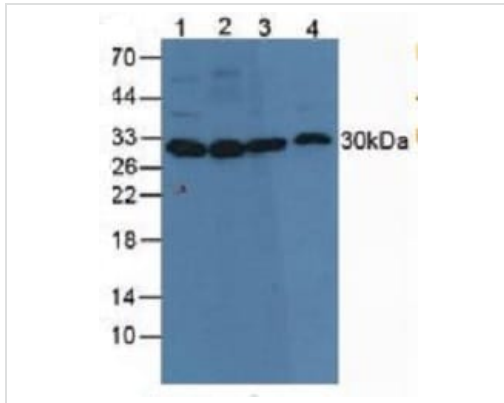
Images



Western blot - Anti-Carbonic Anhydrase 3/CA3 antibody [C2] (ab239504)

Anti-Carbonic Anhydrase 3/CA3 antibody [C2] (ab239504) at 5 µg/ml + Recombinant human Carbonic Anhydrase 3/CA3 protein

Predicted band size: 30 kDa



Western blot - Anti-Carbonic Anhydrase 3/CA3 antibody [C2] (ab239504)

All lanes : Anti-Carbonic Anhydrase 3/CA3 antibody [C2] (ab239504) at 3 µg/ml

Lane 1 : Pig skeletal muscle lysate

Lane 2 : Rat skeletal muscle lysate

Lane 3 : Human liver lysate

Lane 4 : Human lung lysate

Secondary

All lanes : HRP-Linked Rabbit Anti-Mouse IgG

Predicted band size: 30 kDa

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

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