




Product datasheet

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

2 Images

Overview

<b>Product name</b>	Anti-Carbonic Anhydrase 3/CA3 antibody [C2]
<b>Description</b>	Mouse monoclonal [C2] to Carbonic Anhydrase 3/CA3
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human, Pig <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Recombinant full length protein (His-tag) corresponding to Human Carbonic Anhydrase 3/CA3 aa 2-260. N-terminal His Tag (Expressed in E.coli). Sequence: AKEWGYASHNGPDHWHELFPNAKGENQSPVELHTK DIRHDSLQPWVSVSY DGGSAKTILNNGKTCRVVFDDTYDRSMLRGGPLPGPY RLRQFHLHWGSSD DHGSEHTVDGVKYAAELHLVHWNPKYNTFKEALKQR DGIIVIGIFLKIGH ENGEFQIFLDALDKIKTKGKEAPFTKFDPSCLFPACRD YWTYQGSFTTPP CEECIVWLLLKEPMTVSSDQMAKLRSLSSAENEPPV PLVSNWRPPQPIN NRVVRAFVK  Database link: <a href="#">P07451</a>   <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Recombinant human Carbonic Anhydrase 3/CA3 protein; Pig and rat skeletal muscle lysate; human liver and lung lysates.
<b>General notes</b>	This product was previously labelled as Carbonic Anhydrase III

Properties

**Form** Liquid

<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from TCS.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	C2
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

## Applications

Our [Abpromise guarantee](#) covers the use of **ab239504** in the following tested applications.

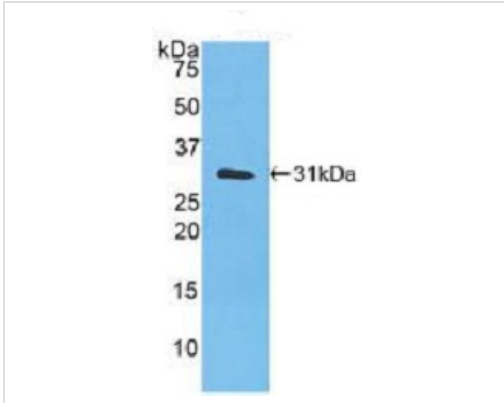
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

## Target

<b>Function</b>	Reversible hydration of carbon dioxide.
<b>Tissue specificity</b>	Muscle specific.
<b>Sequence similarities</b>	Belongs to the alpha-carbonic anhydrase family.
<b>Developmental stage</b>	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.
<b>Post-translational modifications</b>	S-glutathionylated in hepatocytes under oxidative stress.
<b>Cellular localization</b>	Cytoplasm.

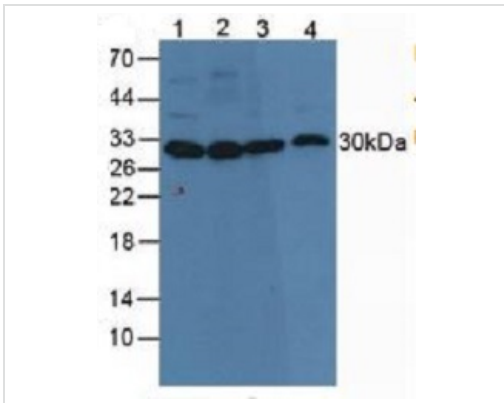
## Images



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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