

Datasheet for ABIN3029698
anti-CA3 antibody (N-Term)

3 Images

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Overview

Quantity:	100 µg
Target:	CA3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	An amino acid sequence from the N-terminus of human Carbonic Anhydrase III (AKEWGYASHNGPDHWHELF) was used as the immunogen for this Carbonic Anhydrase III antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	CA3
Alternative Name:	Carbonic Anhydrase III (CA3 Products)
Background:	Carbonic anhydrase III (CA3) is an enzyme that in humans is encoded by the CA3 gene. It is a member of a multigene family (at least six separate genes are known) that encode carbonic

Target Details

anhydrase isozymes. The gene spans 10.3 kb and contains seven exons and six introns. The protein is found in high concentration in muscle. It is used in conjunction with creatine kinase detection of the carrier state for Duchenne muscular dystrophy.

UniProt: [P07451](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the CA3 antibody Carbonic Anhydrase III may be required due to differences in protocols and secondary/substrate sensitivity. Western blot: 0.5-1 µg/mL, IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

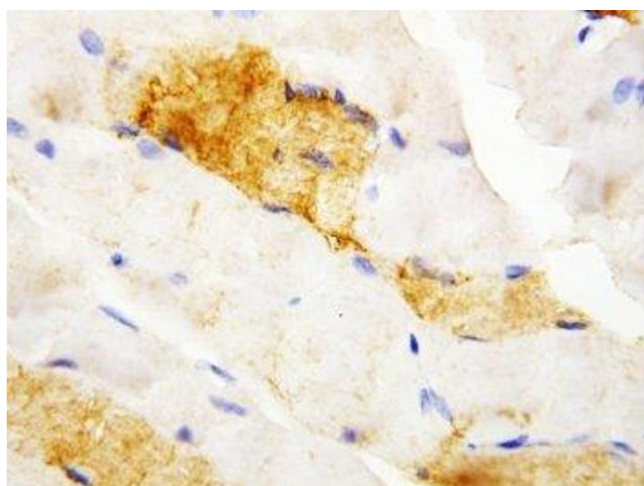
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

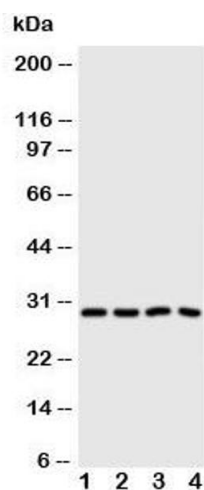
Storage Comment: After reconstitution, the Carbonic Anhydrase III antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



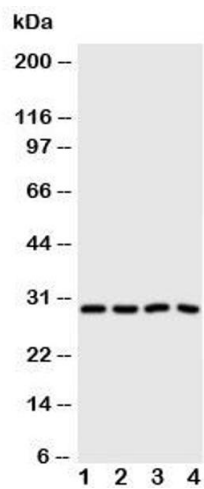
Immunohistochemistry

Image 1. IHC-P: Carbonic Anhydrase III antibody testing of rat skeletal muscle tissue



Western Blotting

Image 2. Western blot testing of Carbonic Anhydrase III antibody and Lane 1: SMMC-7721; 2: HeLa; 3: SW620; 4: SCG cell lysate



Western Blotting

Image 3. Western blot testing of Carbonic Anhydrase III antibody and Lane 1: SMMC-7721