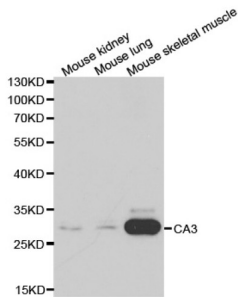
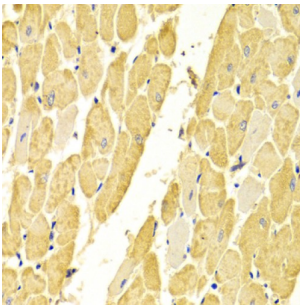


## Carbonic Anhydrase 3 (CA3) Antibody

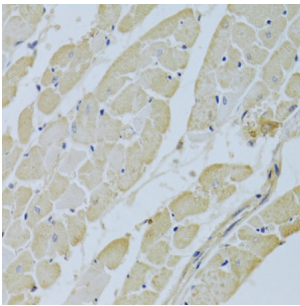
Catalogue No.: abx001124



Western blot analysis of extracts of various cell lines, using CA3 antibody (abx001124) at 1/1000 dilution.



Immunohistochemistry of paraffin-embedded rat heart using CA3 Antibody (abx001124) at dilution of 1/100 (40x lens).



Immunohistochemistry of paraffin-embedded rat heart using CA3 Antibody (abx001124) at dilution of 1/200 (40x lens).

CA3 Antibody is a Rabbit Polyclonal antibody against CA3. Carbonic anhydrase III (CAIII) is a member of a multigene family (at least six separate genes are known) that encodes carbonic anhydrase isozymes. These carbonic anhydrases are a class of metalloenzymes that catalyze the reversible hydration of carbon dioxide and are differentially expressed in a number of cell types. The expression of the CA3 gene is strictly tissue specific and present at high levels in skeletal muscle and much lower levels in cardiac and smooth muscle. A proportion of carriers of Duchenne muscle dystrophy have a higher CA3 level than normal. The gene spans 10.3 kb and contains seven exons and six introns. [provided by RefSeq, Oct 2008].

**Target:** Carbonic Anhydrase 3 (CA3)

**Clonality:** Polyclonal

**Reactivity:** Mouse, Rat

**Tested Applications:** WB, IHC

**Host:** Rabbit

# Datasheet

Version: 4.0.0  
Revision date: 23 Dec 2024



**Recommended dilutions:** WB: 1/500 - 1/1000, IHC-P: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human CA3.

**Isotype:** IgG

**Form:** Liquid

**Purification:** Purified by affinity chromatography.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** P07451 ([UniProt](#), [Expasy](#))

**Gene Symbol:** CA3

**GeneID:** [761](#)

**NCBI Accession:** NP\_005172.1

**KEGG:** hsa:761

**String:** [9606.ENSP00000285381](#)

**Molecular Weight:** Calculated MW: 30 kDa  
Observed MW: 30 kDa

**Buffer:** PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

**Concentration:** > 0.2 mg/ml

**Note:** This product is for research use only.