

CA3 Antibody

Catalog No: #32231

Package Size: #32231-1 50ul #32231-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

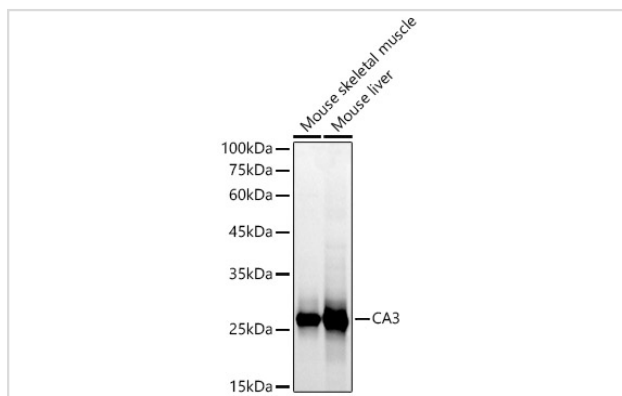
Description

Product Name	CA3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Mouse,Rat
Specificity	The antibody detects endogenous level of total CA3 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human CA3 (NP_005172.1).
Target Name	CA3
Other Names	CA3;CAIII;Car3
Accession No.	Uniprot:P07451GenelD:761
Uniprot	P07451
GenelD	761
SDS-PAGE MW	30kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

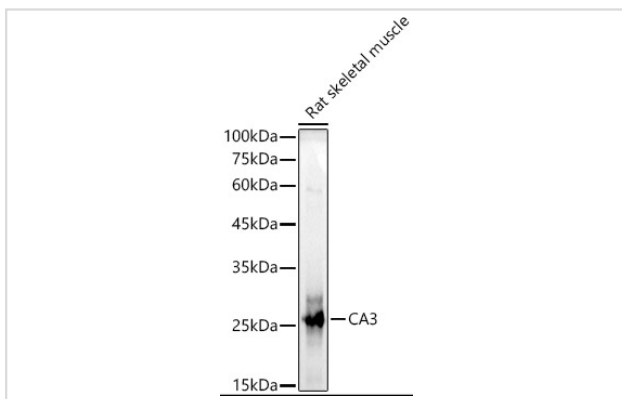
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200

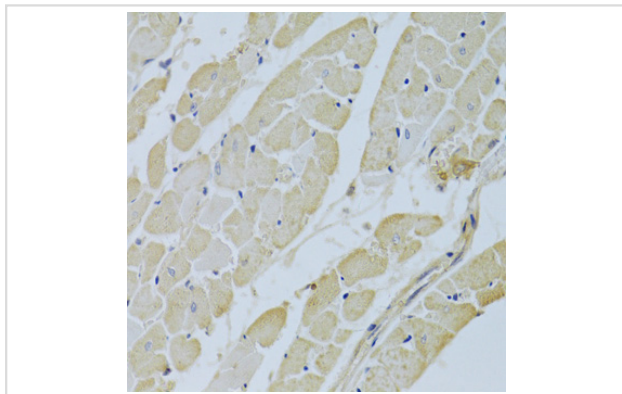
Images



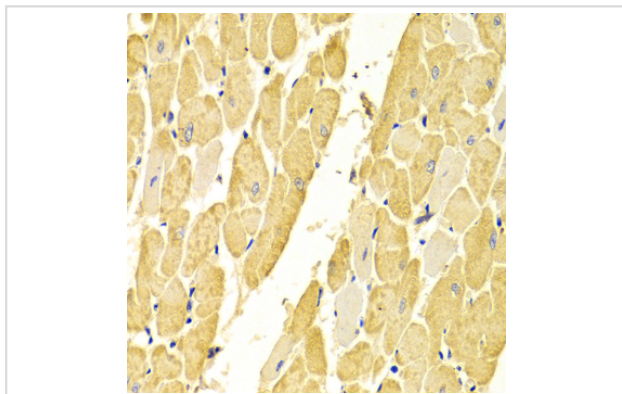
Western blot analysis of extracts of various cell lines, using CA3 antibody.



Western blot analysis of extracts of Rat skeletal muscle, using CA3 antibody.



Immunohistochemistry of paraffin-embedded rat heart using CA3 Antibody.



Immunohistochemistry of paraffin-embedded rat heart using CA3 Antibody.

Background

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.

Note: This product is for in vitro research use only