



CA3 Polyclonal Antibody

Catalog No	E91212	Lot Number	P00009
Applications	WB IHC	Quantity	100ul, 100ug/100ul
Cross-Reactivity	H M R	Calculated MW	30kDa

Immunogen Information

Immunogen	Recombinant protein of human CA3
Gene ID	761
Swiss Prot	P07451
Synonyms	CA3;CAIII;Car3 ;

Product information

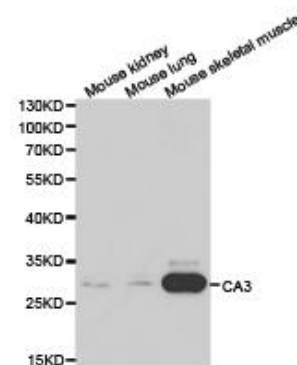
Species	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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. [provided by RefSeq, Oct 2008]

Recommended Dilutions

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



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