

## Product datasheet for **TA360513**

### Carbonic Anhydrase III (CA3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CA3
Specificity:	<b>Expected reactivity:</b> Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	30 kDa
Gene Name:	carbonic anhydrase 3
Database Link:	<a href="#">NP_005172.1</a> <a href="#">Entrez Gene 761 Human</a> <a href="#">P07451</a>

**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.



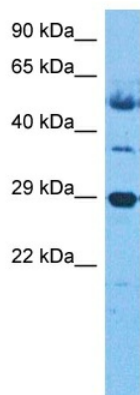
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Synonyms: CA-III; CAIII; Car3

Protein Families: Druggable Genome

Protein Pathways: Nitrogen metabolism

### Product images:



Host: Rabbit  
Target Name: CA3  
Sample Type: Lung Tumor Lysate  
Antibody Dilution: 1.0 $\mu$ g/ml

Host: Rabbit  
Target Name: CA3  
Sample Tissue: Human Lung Tumor  
Antibody Dilution: 1.0 $\mu$ g/ml