

Product datasheet for TA360872

OriGene Technologies, Inc.

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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: Expected reactivity: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification:Affinity purifiedConjugation: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: 28 kDa

Gene Name: carbonic anhydrase 3

Database Link: NP 005172.1

Entrez Gene 761 Human

P07451

Background: Carbonic anhydrase III (CAIII) is a member of a multigene family (at least six separate genes

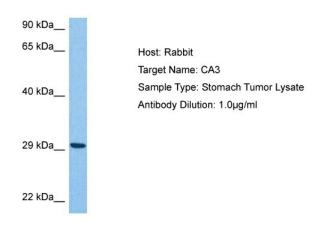
are known) that encodes carbonic anhydrase isozymes. These carbonic anhydrases are a class of metalloenzymes that catalyze the reversible hydration of carbon dioxide and are differentially expressed in a number of cell types. The expression of the CA3 gene is strictly tissue specific and present at high 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.



Synonyms: CA-III; CAIII; Car3

Protein Families: Druggable Genome
Protein Pathways: Nitrogen metabolism

Product images:



Host: Rabbit Target Name: CA3

Sample Tissue: Human Stomach Tumor lysates

Antibody Dilution: 1ug/ml