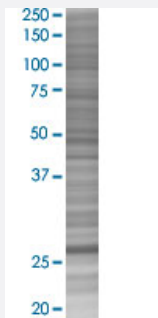


CA3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000761-T02

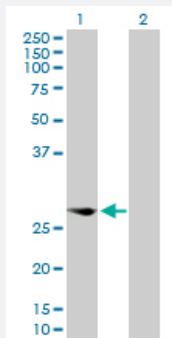
Size 100 uL

Applications



SDS-PAGE Gel

CA3 transfected lysate.



Western Blot

Lane 1: CA3 transfected lysate (29.60 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CA3 full-length

Host Human

Theoretical MW (kDa) 29.6

Quality Control Testing Transient overexpression cell lysate was tested with Anti-CA3 antibody ([H00000761-B01](#)) by Western Blots.
 SDS-PAGE Gel
 CA3 transfected lysate.
 Western Blot
 Lane 1: CA3 transfected lysate (29.60 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CA3

Entrez GeneID[761](#)**GeneBank Accession#**[NM_005181](#)**Protein Accession#**[NP_005172.1](#)**Gene Name**

CA3

Gene Alias

CAIII, Car3

Gene Description

carbonic anhydrase III, muscle specific

Omim ID[114750](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

carbonic anhydrase III

Pathway

- [Nitrogen metabolism](#)