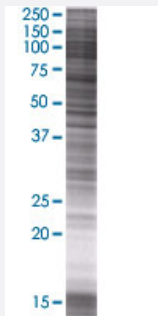


CA11 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000770-T02

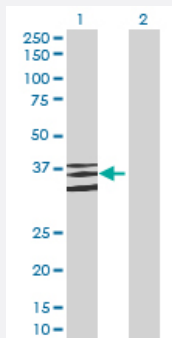
Size 100 uL

Applications



SDS-PAGE Gel

CA11 transfected lysate.



Western Blot

Lane 1: CA11 transfected lysate (36.19 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CA11 full-length
Host	Human
Theoretical MW (kDa)	36.19
Interspecies Antigen Sequence	Mouse (97); Rat (97)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CA11 antibody ([H00000770-B02](#)) by Western Blots.
SDS-PAGE Gel
CA11 transfected lysate.
Western Blot
Lane 1: CA11 transfected lysate (36.19 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 — CA11

Entrez GeneID[770](#)**GeneBank Accession#**[NM_001217.3](#)**Protein Accession#**[NP_001208.2](#)**Gene Name**

CA11

Gene Alias

CARP2, CARPX1

Gene Description

carbonic anhydrase XI

Omim ID[604644](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA XI is likely a secreted protein, however, radical changes at active site residues completely conserved in CA isozymes with catalytic activity, make it unlikely that it has carbonic anhydrase activity. It shares properties in common with two other acatalytic CA isoforms, CA VIII and CA X. CA XI is most abundantly expressed in brain, and may play a general role in the central nervous system. [provided by RefSeq]

Other Designations

carbonic anhydrase-related protein 2|carbonic anhydrase-related protein XI