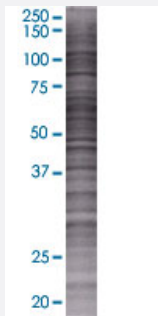


# CA12 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000771-T01

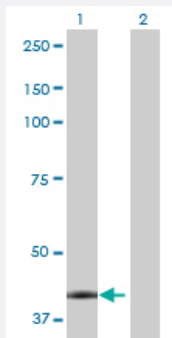
Size 100 uL

## Applications



### SDS-PAGE Gel

CA12 transfected lysate.



### Western Blot

Lane 1: CA12 transfected lysate ( 39.05 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-CA12 full-length
Host	Human
Theoretical MW (kDa)	39.05
Interspecies Antigen Sequence	Mouse (82); Rat (81)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-CA12 antibody ([H00000771-B01](#)) by Western Blots.  
SDS-PAGE Gel  
CA12 transfected lysate.  
Western Blot  
Lane 1: CA12 transfected lysate ( 39.05 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 — CA12

**Entrez GeneID**[771](#)**GeneBank Accession#**[NM\\_001218.3](#)**Protein Accession#**[NP\\_001209.1](#)**Gene Name**

CA12

**Gene Alias**

CAXII, FLJ20151, HsT18816

**Gene Description**

carbonic anhydrase XII

**Omim ID**[603263](#)**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. This gene product is a type I membrane protein that is highly expressed in normal tissues, such as kidney, colon and pancreas, and has been found to be overexpressed in 10% of clear cell renal carcinomas. Two transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]

**Other Designations**

carbonic dehydratase

## Pathway

- [Nitrogen metabolism](#)