

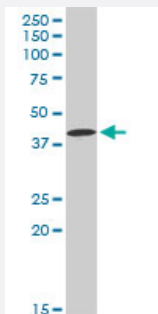
MaxPab®

CA12 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000771-D01P

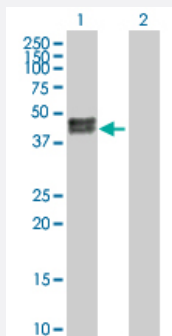
Size 100 ug

Applications



Western Blot (Cell lysate)

CA12 MaxPab rabbit polyclonal antibody. Western Blot analysis of CA12 expression in MCF-7.



Western Blot (Transfected lysate)

Western Blot analysis of CA12 expression in transfected 293T cell line ([H00000771-T01](#)) by CA12 MaxPab polyclonal antibody.

Lane 1: CA12 transfected lysate(39.50 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CA12 protein.

Immunogen

CA12 (NP_001209.1, 1 a.a. ~ 354 a.a) full-length human protein.

Sequence

MPRRSLHAAVLLLLVILKEQPSSPAPVNGSKWTFGPDGENSWSKKYPSCGGLLQSPIDLHSDIL
QYDASLTPLFQGYNLSANKQFLLTNNGHSVKLNLPSDMHIQGLQSRYSATQLHLHWGNPNDPH
GSEHTVSGQHFAAELHIVHYNSDLYPDASTASNKSEGLAVLAVLIEMGSFNPSYDKIFSHLQHVKY
KGQEAFFVPGFNIEELLPERTAEYYRYRGSLLTPPCNPTVLWTVFRNPVQISQEQLLALETALYCTH
MDDPSPREMINNFRQVQKFDERLVYTSFSQVQVCTAAGLSLGIILSLALAGILGICMVVVSWLFRF
KSIKKGDNKGVIYPATKMETEAHA

Host

Rabbit

Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (81)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

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[Protocol Download](#)

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](#)