

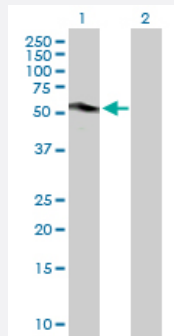
MaxPab®

CA9 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000768-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CA9 expression in transfected 293T cell line ([H00000768-T01](#)) by CA9 MaxPab polyclonal antibody.

Lane 1: CA9 transfected lysate(49.70 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CA9 protein.
Immunogen	CA9 (NP_001207.1, 1 a.a. ~ 459 a.a) full-length human protein.
Sequence	MAPLCPSWLPLLIPAPAGLTVQLLLSLLLMPVHPQRLPRMQEDSPLGGSSGEDDPLGEEDLPSEEDSPREEDPPGEEDLPGEEDLPGEEDLPEVKPKSEEEGSLKLEDLPTVEAPGDPQEPQNNAHRDKEGDDQSHWRYGGDPPWPRVSPACAGRFQSPVDIRPQLAAFCPALRPLELLGFQLPPLPELRLRNNGHSVQLTLPPGLEMALGPGREYRALQLHLHWGAAGRPGSEHTVEGHRFP AEIHVVHLSTAFARVDEALGRPGGLAVLAAFL EEGPEENSAYEQLLSRLEEIAEEGSETQVPGLDISALLPSDFSRYFQYEGSLTTPPCAQGVIMTVFNQTMLSAKQLHTLSDTLWGP GDSRLQLNFRATQPLNGRVIEASFPAGVDSSPRAAEPVQLNSCLAAGDILALVFGLLFAVTSVAFLVQMRRQHRRGTKGGVSYRPAEVAETGA
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (69); Rat (71)
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

- Western Blot (Transfected lysate)

Western Blot analysis of CA9 expression in transfected 293T cell line ([H00000768-T01](#)) by CA9 MaxPab polyclonal antibody.

Lane 1: CA9 transfected lysate(49.70 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — CA9

Entrez GeneID[768](#)**GeneBank Accession#**[NM_001216.1](#)**Protein Accession#**[NP_001207.1](#)**Gene Name**

CA9

Gene Alias

CAIX, MN

Gene Description

carbonic anhydrase IX

Omim ID[603179](#)**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 IX is a transmembrane protein and the only tumor-associated carbonic anhydrase isoenzyme known. It is expressed in all clear-cell renal cell carcinoma, but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation. This gene was mapped to 17q21.2 by fluorescence in situ hybridization, however, radiation hybrid mapping localized it to 9p13-p12. [provided by RefSeq]

Other Designations

OTTHUMP00000022773|RCC-associated protein G250|carbonic dehydratase

Pathway

- [Nitrogen metabolism](#)

Disease

- [Alzheimer disease](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Kidney Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neuroblastoma](#)