

Rabbit anti-Human, Mouse CA4 Polyclonal Antibody | anti-CA4 antibody

CA4 antibody

CATALOG # AAA307935	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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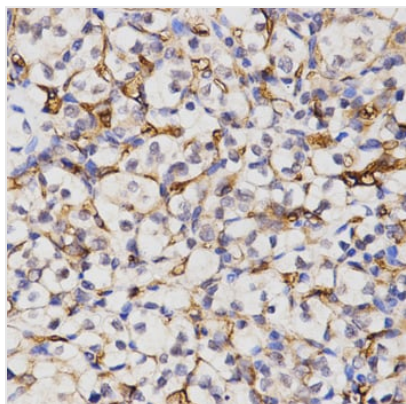
PRODUCT SYNONYMS

CA4; Polyclonal Antibody; CA4 antibody; CAIV; Car4; RP17; anti-CA4 antibody

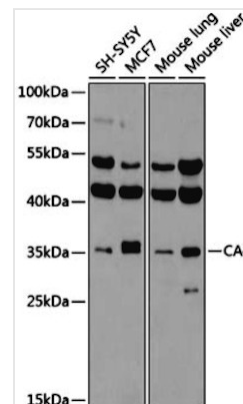
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total CA4 antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	312
Applicable Applications for anti-CA4 antibody	WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human CA4.
Target Name	CA4
Preparation and Storage	Store at -20°C

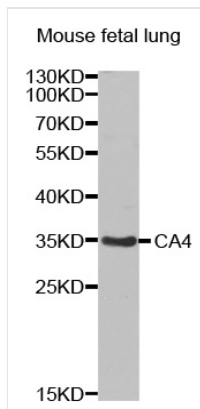
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human kidney cancer tissue using CA4 antibody at dilution of 1:200 (x400 lens)


WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CA4 at 1:1000 dilution.



WB (Western Blot)

Western blot analysis of extracts of mouse fetal lung tissue lysate, using CA4 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CA4 antibody	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. This gene encodes a glycosylphosphatidyl-inositol-anchored membrane isozyme expressed on the luminal surfaces of pulmonary (and certain other) capillaries and proximal renal tubules. Its exact function is not known; however, it may have a role in inherited renal abnormalities of bicarbonate transport. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-CA4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502519
NCBI GeneID	762
NCBI Accession #	NP_000708.1
NCBI GenBank Nucleotide #	NM_000717.3
UniProt Accession #	P22748; Q6FHI7; B4DQA4
Molecular Weight	SDS-PAGE MW: 35kd
NCBI Official Full Name	carbonic anhydrase 4
NCBI Official Synonym Full Names	carbonic anhydrase IV
NCBI Official Symbol	CA4
NCBI Official Synonym Symbols	CAIV; Car4; RP17
NCBI Protein Information	carbonic anhydrase 4
UniProt Protein Name	Carbonic anhydrase 4
UniProt Gene Name	CA4
UniProt Synonym Gene Names	CA-IV
UniProt Entry Name	CAH4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

