

Rabbit CA4 Polyclonal Antibody | anti-CA4 antibody

CA4 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198898	Rabbit	Cow, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Immunohistochemistry, Western Blot

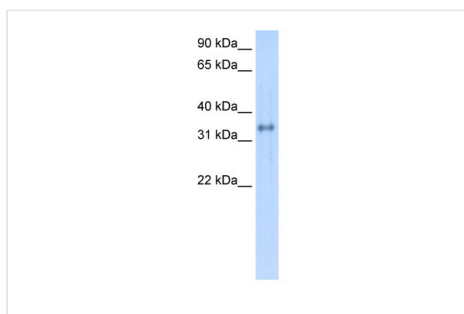
PRODUCT SYNONYMS

CA4; Polyclonal Antibody; CA4 antibody - C-terminal region; anti-CA4 antibody

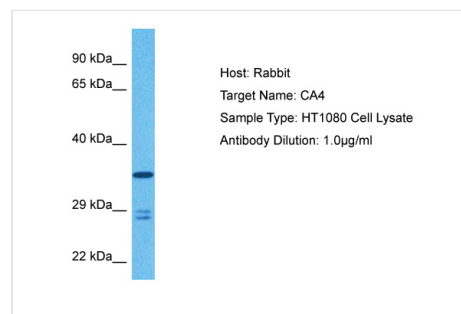
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AF SQKLYYDKEQ TVSMKDNVRP LQQLGQRTVI KSGAPGRPLP WALPALLG
Sequence Length	312
Applicable Applications for anti-CA4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 83%; Guinea Pig: 92%; Horse: 83%; Human: 100%; Mouse: 85%; Rabbit: 85%; Rat: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human CA4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

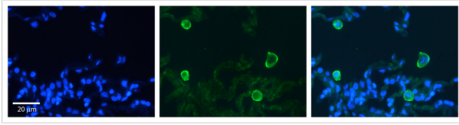
IMAGES


WB (Western Blot)

WB Suggested Anti-CA4 Antibody Titration: 0.2-1 ug/ml Positive Control: Human Lung


WB (Western Blot)

Host: Rabbit Target Name: CA4 Sample Tissue: Human HT1080 Whole Cell Antibody Dilution: 1ug/ml



IHC (Immunohistochemistry)
 Sample Type: Human Lung TissueCA4 antibody - C-terminal regionFormalin Fixed Paraffin
 Embedded Tissue: Human Lung TissueObserved Staining: Cytoplasm and membrane of
 alveolar macrophagesPrimary Antibody Concentration: 1:600Secondary Antibody: Donkey
 anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification: 20XExposure Time:
 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-CA4 antibody	This is a rabbit polyclonal antibody against CA4. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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. CA4 is a glycosylphosphatidyl-inositol-anchored membrane isozyme expressed on the luminal surfaces of pulmonary (and certain other) capillaries and of proximal renal tubules. Its exact function is not known, however, it may have a role in inherited renal abnormalities of bicarbonate transport. 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 IV is a glycosylphosphatidyl-inositol-anchored membrane isozyme expressed on the luminal surfaces of pulmonary (and certain other) capillaries and of proximal renal tubules. Its exact function is not known, however, it may have a role in inherited renal abnormalities of bicarbonate transport.
Product Categories/Family for anti-CA4 antibody	Polyclonal; Signal Proteins ; Membrane Protein ; Drugs and Drug Metabolism ; Membrane & Traffic ; Tissue Specific & Cell Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502519
NCBI GeneID	762
NCBI Accession #	NP_000708
NCBI GenBank Nucleotide #	NM_000717
UniProt Accession #	P22748
Molecular Weight	34kDa
NCBI Official Full Name	carbonic anhydrase 4 preproprotein
NCBI Official Synonym Full Names	carbonic anhydrase 4
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ca4-antibody-immunohistochemistry-western-blot-elisa/198898>