

Rabbit anti-Human CA14 Polyclonal Antibody | anti-CA14 antibody

CA14 Antibody (N-term)

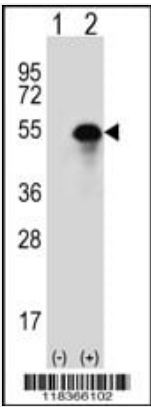
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286928	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

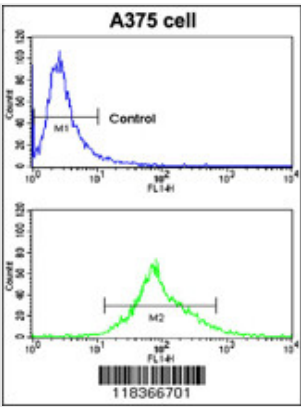
CA14; Polyclonal Antibody; CA14 Antibody (N-term); Carbonic anhydrase 14; Carbonate dehydratase XIV; Carbonic anhydrase XIV; CA-XIV; anti-CA14 antibody

PRODUCT SPECIFICATIONS

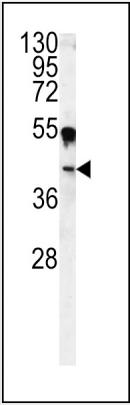
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CA14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-80 amino acids from the N-terminal region of human CA14.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	51-80
Sequence Length	337
Applicable Applications for anti-CA14 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of CA14 (arrow) using rabbit polyclonal CA14 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CA14 gene.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of A375 cells using CA14 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of CA14 antibody (N-term) in A375 cell line lysates (35ug/lane). CA14 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CA14 antibody	CA14 belongs a large family of zinc metalloenzymes that catalyze the versatile hydration of carbon dioxide. The protein is predicted to be a type I membrane protein and shares highest sequence similarity with the other transmembrane CA isoform, CA XII; however, they have different patterns of tissue-specific expression and thus may play different physiologic roles.
Product Categories/Family for anti-CA14 antibody	Neuroscience
References	Parkkila,S. Natl. Acad. Sci. U.S.A. 98 (4), 1918-1923 (2001) Fujikawa-Adachi,K., Nishimori,I. Genomics 61 (1), 74-81 (1999) Tarun,A.S., Bryant,B. Chem. Senses 28 (7), 621-629 (2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912284
NCBI GeneID	23632
NCBI Accession #	NP_036245.1
NCBI GenBank Nucleotide #	NM_012113.2
UniProt Accession #	Q9ULX7; Q5TB24; Q8NCF4

Molecular Weight	37668
NCBI Official Full Name	carbonic anhydrase 14
NCBI Official Synonym Full Names	carbonic anhydrase XIV
NCBI Official Symbol	CA14
NCBI Official Synonym Symbols	CAXiV
NCBI Protein Information	carbonic anhydrase 14
UniProt Protein Name	Carbonic anhydrase 14
UniProt Gene Name	CA14
UniProt Synonym Gene Names	CA-XIV
UniProt Entry Name	CAH14_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/ca14-antibody-flow-cytometry-western-blot-elisa/286928>