

Rabbit CA14 Polyclonal Antibody | anti-CA14 antibody

CA14 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324561	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

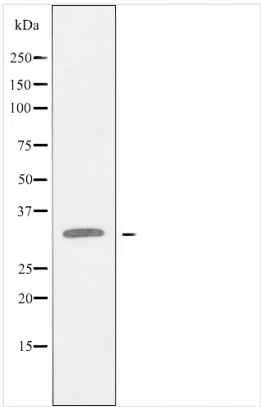
PRODUCT SYNONYMS

CA14; Polyclonal Antibody; CA14 Antibody; CA 14; CA XIV; CA-XIV; CAH14_HUMAN; Carbonate dehydratase XIV; Carbonic anhydrase 14; Carbonic anhydrase XIV; Carbonic dehydratase; CAXIV; UNQ690/PRO1335; anti-CA14 antibody

PRODUCT SPECIFICATIONS

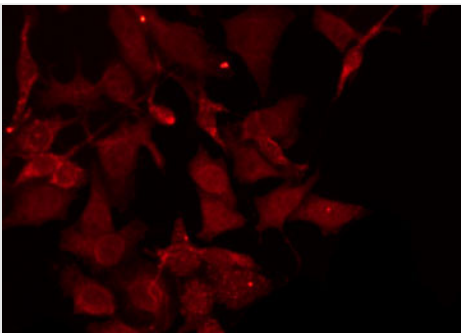
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CA14 antibody detects endogenous levels of total CA14
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	337
Applicable Applications for anti-CA14 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	High expression in all parts of the central nervous system and lower expression in adult liver, heart, small intestine, colon, kidney, urinary bladder and skeletal muscle.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog
Similarity	Pig (82%), Horse (82%), Sheep (82%), Rabbit (82%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from 293 cells, COLO cells, and Jurkat cells, using CA14 antibody.



IF (Immunofluorescence)

AAA324561 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CA14 antibody	Function: Reversible hydration of carbon dioxide. Similarity: Belongs to the alpha-carbonic anhydrase family.
--	--

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	Observed: 34 kD Predicted: 38 kDa
NCBI Official Full Name	carbonic anhydrase 14
NCBI Official Synonym Full Names	carbonic anhydrase 14
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

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.