

Rabbit anti-Human, Mouse CA8 Polyclonal Antibody | anti-CA8 antibody

CA8 Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314058	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

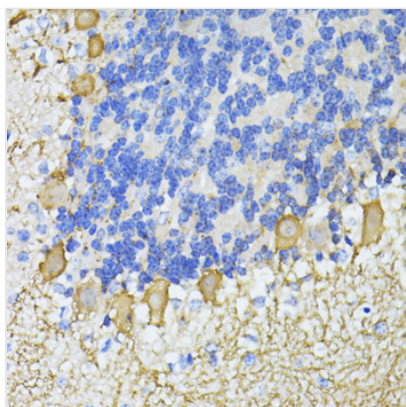
PRODUCT SYNONYMS

CA8; Polyclonal Antibody; CA8 Rabbit Polyclonal Antibody; CA-RP; CA-VIII; CALS; CAMRQ3; CARP; anti-CA8 antibody

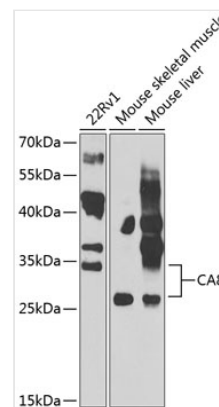
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-CA8 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human CA8 (NP_004047.3).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse cerebellum using CA8 at dilution of 1:100 (40x lens).


WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CA8 at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-CA8 antibody	The protein encoded by this gene was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, the gene product lacks carbonic anhydrase activity (i.e., the reversible hydration of carbon dioxide). The gene product continues to carry a carbonic anhydrase designation based on clear sequence identity to other members of the carbonic anhydrase gene family. The absence of CA8 gene transcription in the cerebellum of the lurcher mutant in mice with a neurologic defect suggests an important role for this acatalytic form. Mutations in this gene are associated with cerebellar ataxia, mental retardation, and dysequilibrium syndrome 3 (CMARQ3). Polymorphisms in this gene are associated with osteoporosis, and overexpression of this gene in osteosarcoma cells suggests an oncogenic role. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-CA8 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	22027500
NCBI GeneID	767
NCBI Accession #	NP_004047.3
NCBI GenBank Nucleotide #	NM_004056.4
UniProt Accession #	P35219; Q32MY2; A8K0A5; B3KQZ7
Molecular Weight	32,973 Da
NCBI Official Full Name	carbonic anhydrase-related protein
NCBI Official Synonym Full Names	carbonic anhydrase VIII
NCBI Official Symbol	CA8
NCBI Official Synonym Symbols	CALS; CARP; CAMRQ3; CA-VIII
NCBI Protein Information	carbonic anhydrase-related protein; CA-related protein; carbonate dehydratase; carbonic anhydrase-like sequence
UniProt Protein Name	Carbonic anhydrase-related protein
UniProt Gene Name	CA8
UniProt Synonym Gene Names	CALS; CARP; CA-VIII
UniProt Entry Name	CAH8_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/ca8-antibody-immunohistochemistry-western-blot-elisa/314058>