

Rabbit Carbonic Anhydrase III Polyclonal Antibody | anti-CA3 antibody

Anti-Carbonic Anhydrase III antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45008	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

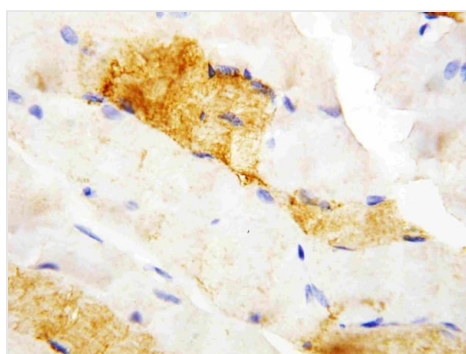
PRODUCT SYNONYMS

Carbonic Anhydrase III; Polyclonal Antibody; Anti-Carbonic Anhydrase III antibody; Carbonic anhydrase 3; carbonic anhydrase III; muscle specific; CA III antibody; CA-III antibody; Ca3 antibody; CAH3_HUMAN antibody; CAIII antibody; Car3 antibody; Carbonate dehydratase III antibody; Carbonic anhydrase 3 antibody; Carbonic anhydrase III antibody; Carbonic anhydrase III muscle specific antibody; EC 4.2.1.1 antibody; anti-CA3 antibody

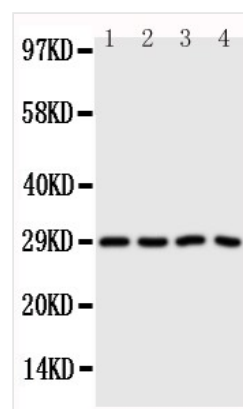
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	260
Applicable Applications for anti-CA3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Carbonic Anhydrase III (2-20aa AKEWG YASHNGPDHWELF), different from the related mouse and rat sequence by two amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-CA3 antibody, AAA45008, IHC(P)IHC(P): Rat Skeletal Muscle Tissue



WB (Western Blot)
Anti-CA3 antibody, AAA45008, Western blotting Lane 1: SMC Cell Lysate Lane 2: HELA Cell Lysate Lane 3: SW620 Cell Lysate Lane 4: SCG Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CA3 antibody	Background: Carbonic anhydrase III(CA3) is an enzyme that in humans is encoded by the CA3 gene. CA3 is a member of a multigene family(at least six separate genes are known) that encode carbonic anhydrase isozymes. The gene spans 10.3 kb and contains seven exons and six introns. Using a cDNA clone of the CA3 gene in the study of human-rodent hybrids, the gene was mapped to chromosome 8 which carries a cluster of CA genes. CA3 is found in high concentration in muscle. CA3 is used in conjunction with creatine kinase detection of the carrier state for Duchenne muscular dystrophy.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134047703
NCBI GeneID	761
UniProt Accession #	P07451; O60842; B2R867; B3KUC8
NCBI Official Full Name	Carbonic anhydrase 3
NCBI Official Synonym Full Names	carbonic anhydrase III, muscle specific
NCBI Official Symbol	CA3
NCBI Official Synonym Symbols	Car3; CAIII
NCBI Protein Information	carbonic anhydrase 3; CA-III; HEL-S-167mP; carbonate dehydratase III; epididymis secretory sperm binding protein Li 167mP
UniProt Protein Name	Carbonic anhydrase 3
UniProt Gene Name	CA3
UniProt Synonym Gene Names	CA-III
UniProt Entry Name	CAH3_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.