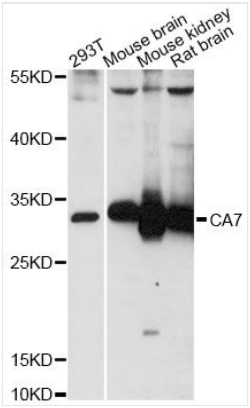
CA7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CA7, Polyclonal Antibody
Full Product Name	CA7 Polyclonal Antibody
Product Gene Name	anti-CA7 antibody
Product Synonym Names	CAVII
Immunogen Sequence	MTGHHGWGYG QDDGPSHWHK LYPIAQGDRQ SPINIISSQA VYSPSLQPLE LSYEACMSLS ITNNGHSVQV DFNDSDDRTV VTGGPLEGPY RLKQFHFHWG KKHDVGSEHT VDGKSFPSEL HLVHWNAKKY STFGEAASAP DGLAVVGVFL ETGDEHPSMN RLTDALYMVR FKGTKAQFSC FNPKCLLPAS RHYWTYPGSL TTPPLSESVT WIVLREPICI SERQMGKFRS LLFTSEDDER IHMVNNFRPP QPLKG
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated: 23kDa; 29kDa Observed: 30kDa
3D Structure	ModBase 3D Structure for P43166
Immunogen	Recombinant protein of human CA7
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Cytoplasm
Positive Samples	293T, Mouse brain, Mouse kidney, Rat brain
Product Categories/Family for anti-CA7 antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CA7 antibody	Western Blot (WB)
Application Notes for anti-CA7 antibody	WB: 1:500 - 1:2000
Related Product Information for anti-CA7 antibody	Carbonic anhydrases 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. The cytosolic protein encoded by this gene is predominantly expressed in the salivary glands. Alternative splicing in the coding region results in multiple transcript variants encoding different isoforms.
Other Notes	Small volumes of anti-CA7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for CA7 purchase	MBS9134360 is an antibody targeting CA7. Also known as CA7 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-CA7 antibody
Western blot analysis of extracts of various cell lines, using CA7 antibody at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CA7. It may not necessarily be applicable to this product.

NCBI GI #	62240989
NCBI GeneID	766
NCBI Accession #	NP_001014435.1
UniProt Primary Accession #	P43166
UniProt Secondary Accession #	Q541F0; Q86YU0
UniProt Related Accession #	P43166
GenBank Nucleotide #	NM_001014435.1
NCBI Official Full Name	carbonic anhydrase 7 isoform 2
NCBI Official Synonym Full Names	carbonic anhydrase 7
NCBI Official Symbol	CA7
NCBI Official Synonym Symbols	CAVII
UniProt Protein Name	Carbonic anhydrase 7
UniProt Synonym Protein Names	Carbonate dehydratase VII; Carbonic anhydrase VII; CA-VII
Protein Family	Carbonic anhydrase
UniProt Gene Name	CA7
UniProt Synonym Gene Names	CA-VII
NCBI Protein Information	carbonic anhydrase 7
UniProt Comments for CA7	Reversible hydration of carbon dioxide.
Research Articles on CA7	**1.** CA II and CA XII, but not CA VII or CA IX, could be useful in predicting survival in colorectal carcinomas

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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