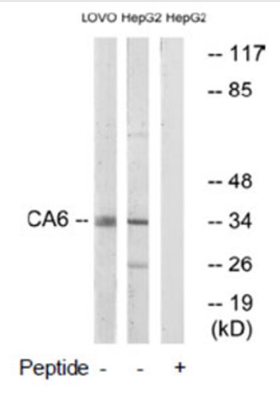
CA6 Antibody – Rabbit

PRODUCT OVERVIEW

Product Name	CA6, Antibody
Full Product Name	CA6 Antibody
Product Gene Name	anti-CA6 antibody
Product Synonym Names	Carbonic anhydrase 6; EC=4.2.1.1; Carbonic anhydrase VI; CA-VI; Carbonate dehydratase VI; Secreted carbonic anhydrase; Salivary carbonic anhydrase
Isotype	IgG
Host	Rabbit
Species Reactivity	Human (Identities = 100%, Positives = 100%)
Form/Format	In phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	CA6 antibody detects endogenous levels of total CA6 protein.
Preparation and Storage	Store at -20°C for 1 year.
OMIM	114780
3D Structure	ModBase 3D Structure for P23280
Immunogen	The antiserum was produced against synthesized peptide derived from internal of human CA6.
Product Categories/Family for anti-CA6 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CA6 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CA6 antibody	WB: 1:500~1:1000 ELISA: 1:20000
Related Product Information for anti-CA6 antibody	MBS856433 is an antibody targeting CA6. Also known as CA6 Antibody. Reactive in Human (Identities = 100%, Positives = 100%). Host: Rabbit.
Product References and Citations for anti-CA6 antibody	Aldred P., Biochemistry 30:569-575(1991). Grubb D.J., Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases. Gregory S.G., Nature 441:315-321(2006).
Other Notes	Small volumes of anti-CA6 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.



Western Blot (WB) of anti-CA6 antibody
Western blot analysis of extracts from LOVO cells and HepG2 cells, using CA6 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CA6. It may not necessarily be applicable to this product.

NCBI GI #	70167127
NCBI GeneID	765
NCBI Accession #	NP_001206.2
UniProt Primary Accession #	P23280
UniProt Secondary Accession #	Q5FBW3; Q5FC00; Q96QX8; Q9UF03; E7EMQ1
UniProt Related Accession #	P23280
GenBank Nucleotide #	NM_001215.3
NCBI Official Full Name	carbonic anhydrase 6 isoform 1
NCBI Official Synonym Full Names	carbonic anhydrase 6
NCBI Official Symbol	CA6
NCBI Official Synonym Symbols	CA-VI; GUSTIN
UniProt Protein Name	Carbonic anhydrase 6
UniProt Synonym Protein Names	Carbonate dehydratase VI; Carbonic anhydrase VI; CA-VI; Salivary carbonic anhydrase; Secreted carbonic anhydrase
Protein Family	Carbonic anhydrase
UniProt Gene Name	CA6
UniProt Synonym Gene Names	CA-VI
NCBI Protein Information	carbonic anhydrase 6
NCBI Summary for CA6	The protein encoded by this gene is one of several isozymes of carbonic anhydrase. This protein is found only in salivary glands and saliva and protein may play a role in the reversible hydratation of carbon dioxide though its function in saliva is unknown. [provided by RefSeq, Jul 2008]
UniProt Comments for CA6	Reversible hydration of carbon dioxide. Its role in saliva is unknown.
Research Articles on CA6	**1.** Anti-CA6 was the most prevalent novel autoantibody in patients with dry eye, and was associated with younger age and more severe disease. Longitudinal studies are needed to determine whether anti-CA6 is a marker for early Sjogren's syndrome.

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