

Datasheet for ABIN7320477

CA12 Protein (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	CA12
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA12 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Carbonic Anhydrase XII/CA12 Protein (His Tag)
Sequence:	Ala25-Ser301
Characteristics:	Recombinant Mouse Carbonic Anhydrase 12 is produced by our Mammalian expression system and the target gene encoding Ala25-Ser301 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CA12
Alternative Name:	Carbonic Anhydrase XII/CA12 (CA12 Products)
Background:	Background: Carbonic Anhydrase (CA) XII, also known as Car12 and CA12, is an extracellular enzyme involved in the regulation of the microenvironment acidity and tumor malignant

Target Details

phenotype, was originally identified as a protein overexpressed in some types of cancers. It has showed that CA XII is induced by hypoxia and oestrogen and expressed at high levels on various types of cancer. The enzyme is directly involved in tumour progression, and its inhibition has an anti-tumour effect. Apart from its role in carcinogenesis, the enzyme contributes to various other diseases like glaucoma and arteriosclerotic plaques, among others. CA XII is therefore regarded as promising target for specific therapies, and may be used as a novel prognostic marker in combination with histologic grade of the tumors.

Synonym: Carbonic anhydrase 12, Carbonate dehydratase XII, Carbonic anhydrase XII, CA-XII, CA12, Carbonate dehydratase XII, CAXII, Car12

Molecular Weight:	32.4 kDa
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UniProt:	Q8CI85
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Application Details

Restrictions:	For Research Use only
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Handling

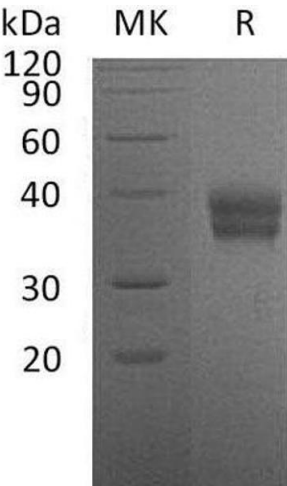
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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Western Blotting

Image 1.