

Recombinant Mouse Carbonic Anhydrase 12 Protein

Catalog #	Source	Reactivity	Applications
CRP2856	Human cells	Mouse	E, WB, SDS-PAGE, MS
Description	Recombinant Mouse Carbonic Anhydrase 12 Protein is produced by mammalian expression system and the target gene encoding Ala25-Ser301 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH7.5.		
Gene Symbol	CA12		
Alternative Names	Carbonic anhydrase 12; Carbonate dehydratase XII; Carbonic anhydrase XII; CA-XII; Tumor antigen HOM-RCC-3.1.3		
Entrez Gene	76459 (Mouse)		
SwissProt	Q8CI85 (Mouse)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	APLNGSKWTY VGPAGEKNWS KKYPSCGGLL QSPIDLHSDI LQYDASLAPL QFQGYNVSVSVE KLLNLTNDGH SVRLNLSNDM YIQGLQPHHY RAEQLHLHWG NRNDPHGSEH TVSGKHFAAE LHIVHYNSDL YPDFSTASDK SEGLAVLAVL IEIGSANPSY DKIFSHLQHV KYKGQQVLIP GFNIEELLPE SPGEYYRYEG SLTTPPCYPT VLWTVFRNPV QISQEQLLAL ETALYFTHMD DPTPREMINN FRQVQKFDER LVYISFRQGL LTDTGLSVDH HHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Lyophilized protein should be stored at -20°C, though stable at room temperature		
Application key:	E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference		
Species reactivity key:	H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish		

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Product Data Sheet

for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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