abcam

Product datasheet

Recombinant Human Carbonic Anhydrase 9/CA9 protein ab114200

1 Image

Description

Product name	Recombinant Human Carbonic Anhydrase 9/CA9 protein
Expression system	Wheat germ
Accession	**Q16790**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAPLCPSPWLPLLIPAPAPGLTVQLLLSLLLLMPVHPQRL PRMQEDSPLG GGSSGEDDPLGEEDLPSEEDSPREEDPPGEEDLPGEED LPGEEDLPEVKP KSEEEGSLKLEDLPTVEAPGDPQEPQNNAHRDKEGDDQ SHWRYGGDPPWP RVSPACAGRFQSPVDIRPQLAAFCPALRPLELLGFQLPPL PELRLRNNGH SVQLTLPPGLEMALGPGREYRALQLHLHWGAAGRPGSEH TVEGHRFPAEI HVVHLSTAFARVDEALGRPGGLAVLAAFLEEGPEENSAY EQLLSRLEEIA EEGSETQVPGLDISALLPSDFSRYFQYEGSLTTPPCAQGVI WTVFNQTVM LSAKQLHTLSDTLWGPGDSRLQLNFRATQPLNGRVIEASF PAGVDSSPRA AEPVQLNSCLAAGDILALVFGLLFAVTSVAFLVQMRRQHR RGTKGGVSYR PAEVAETGA
Predicted molecular weight	77 kDa including tags
Amino acids	1 to 459

Specifications

Our **Abpromise guarantee** covers the use of **ab114200** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA SDS-PAGE Western blot
Form	Liquid

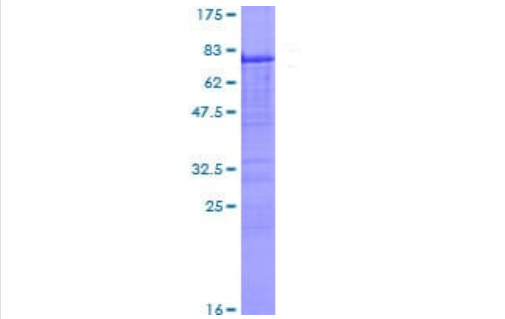
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function	Reversible hydration of carbon dioxide. Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia.
Tissue specificity	Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa.
Sequence similarities	Belongs to the alpha-carbonic anhydrase family. Contains 1 alpha-carbonic anhydrase domain.
Post-translational modifications	Asn-346 bears high-mannose type glycan structures.
Cellular localization	Nucleus. Nucleus, nucleolus. Cell membrane. Cell projection, microvillus membrane. Found on the surface microvilli and in the nucleus, particularly in nucleolus.

Images



SDS-PAGE - Recombinant Human Carbonic Anhydrase 9/CA9 protein (ab114200)

12.5% SDS-PAGE showing ab114200 at approximately 76.56kDa stained with Coomassie Blue.

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- Response to your inquiry within 24 hours

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