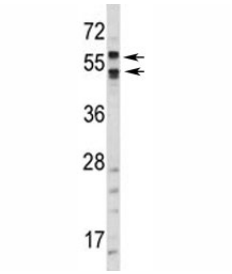
CA9 Antibody (F48969)

Catalog No.	Formulation	Size
F48969-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48969-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q16790
Applications	Western blot: 1:1000
Limitations	This CA9 antibody is available for research use only.



Western blot analysis of CA9 antibody and HepG2 lysate. Predicted molecular weight: 58 kDa and 54 kDa (soluble form).

Description

Carbonic anhydrases (CAs) 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. CA IX is a transmembrane protein and the only tumor-associated carbonic anhydrase isoenzyme known. It is expressed in all clear-cell renal cell carcinoma, but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation. This gene was mapped to 17q21.2 by fluorescence in situ hybridization, however, radiation hybrid mapping localized it to 9p13-p12.

[Wiki]

Application Notes

Titration of the CA9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 63-90 from the human protein was used as the immunogen for this CA9 antibody.

Storage

Aliquot the CA9 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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