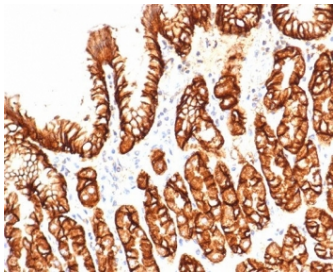
Carbonic Anhydrase IX Antibody / CAIX / CA9 [clone CA9/4019] (V5274)

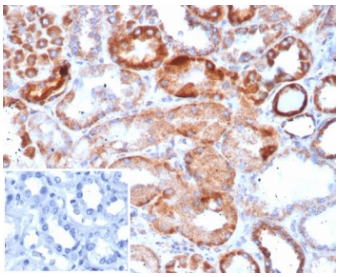
Catalog No.	Formulation	Size
V5274-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5274-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5274SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

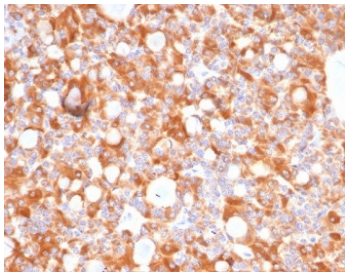
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CA9/4019
Purity	Protein A/G affinity
UniProt	Q16790
Localization	Cell Surface, Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Carbonic Anhydrase IX antibody is available for research use only.



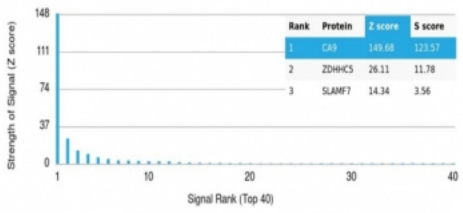
IHC staining of FFPE human kidney tissue with Carbonic Anhydrase IX antibody (clone CA9/4019). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



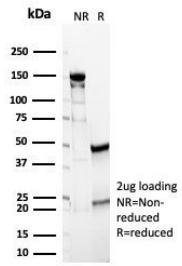
IHC staining of FFPE human kidney tissue with Carbonic Anhydrase IX antibody (clone CA9/4019). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human parathyroid tissue with Carbonic Anhydrase IX antibody (clone CA9/4019). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using Carbonic Anhydrase IX antibody (clone CA9/4019). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a mAb to its intended target. A mAb is considered to specific to its intended target, if the mAb has an S-score of at least 2.5. For example, if a mAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that mAb to protein X is equal to 29.



SDS-PAGE analysis of purified, BSA-free Carbonic Anhydrase IX antibody (clone CA9/4019) as confirmation of integrity and purity.

Description

Carbonic Anhydrase IX catalyzes the interconversion between carbon dioxide and water and the dissociated ions of carbonic acid (i.e. bicarbonate and hydrogen ions). [UniProt]

Application Notes

Optimal dilution of the Carbonic Anhydrase IX antibody should be determined by the researcher.

Immunogen

A recombinant human protein fragment (within amino acids 314-410) was used as the immunogen for the Carbonic Anhydrase IX antibody.

Storage

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

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