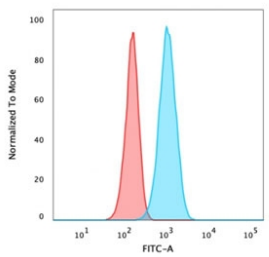
Carbonic Anhydrase IX Antibody / CA9 [clone CA9/3405] (V8462)

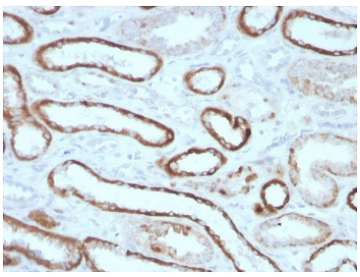
Catalog No.	Formulation	Size
V8462-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8462-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8462SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

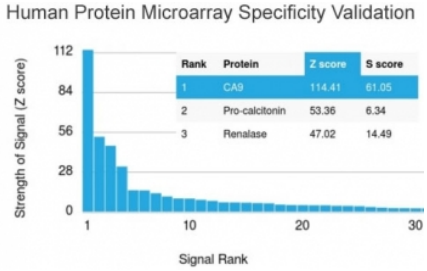
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CA9/3405
Purity	Protein G affinity chromatography
UniProt	Q16790
Localization	Cell surface, cytoplasmic
Applications	Flow cytometry: 1-2ug/million cells Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This Carbonic Anhydrase IX antibody is available for research use only.



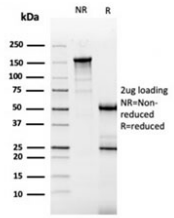
Flow cytometry testing of FPA fixed human U-87 MG cells with Carbonic Anhydrase IX antibody (clone CA9/3405); Red=isotype control, Blue= Carbonic Anhydrase IX antibody.



IHC staining of FFPE human renal cell carcinoma with Carbonic Anhydrase IX antibody (clone CA9/3405). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Carbonic Anhydrase IX antibody (clone CA9/3405). These results demonstrate the foremost specificity of the CA9/3405 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) 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 the targets on the 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-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Carbonic Anhydrase IX antibody (clone CA9/3405) as confirmation of integrity and purity.

Description

Recognizes a glycoprotein of ~200kDa, identified as carbonic anhydrase IX (CAIX/gp200). In normal kidney, gp200 is localized along the brush border of the pars convoluta and pars recta segments of the proximal tubule, as well as focally along the luminal surface of Bowmans capsule adjoining the outgoing proximal tubule. Reportedly, gp200 is expressed by 93% of primary and 84% of metastatic renal cell carcinomas. This MAb may be useful in the investigations of carcinomas of proximal nephrogenic differentiation especially those showing tubular differentiation.

Application Notes

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

Immunogen

A portion of amino acids 314-410 from the human protein was used as the immunogen for the Carbonic Anhydrase IX antibody.

Storage

Store the Carbonic Anhydrase IX antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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