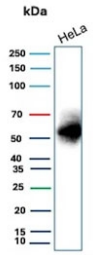
Recombinant Carbonic Anhydrase IX Antibody / CA9 [clone CA9/9621R] (V5604)

Catalog No.	Formulation	Size
V5604-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5604-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5604SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

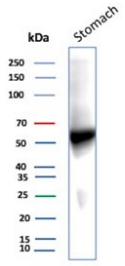
Recombinant RABBIT MONOCLONAL

Bulk quote request

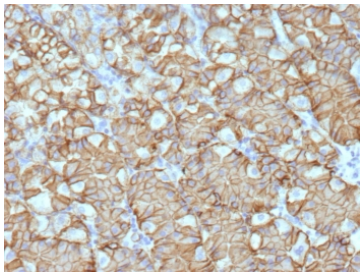
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CA9/9621R
Purity	Protein A/G affinity
UniProt	Q16790
Localization	Cell membrane, Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 2-4ug/ml
Limitations	This recombinant Carbonic Anhydrase IX antibody is available for research use only.



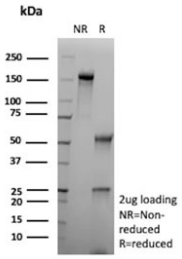
Western blot testing of human HeLa cell lysate with recombinant Carbonic Anhydrase IX antibody. Predicted molecular weight: 50-55 kDa but may be observed at higher molecular weights due to glycosylation.



Western blot testing of human stomach tissue lysate with recombinant Carbonic Anhydrase IX antibody. Predicted molecular weight: 50-55 kDa but may be observed at higher molecular weights due to glycosylation.



IHC staining of FFPE human renal cell carcinoma tissue with Carbonic Anhydrase IX antibody (clone CA9/9621R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Carbonic Anhydrase IX antibody (clone CA9/9621R) as confirmation of integrity and purity.

Description

CAIX 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 Bowman's capsule adjoining the outgoing proximal tubule. Reportedly, CAIX 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 recombinant Carbonic Anhydrase IX antibody should be determined by the researcher.

Immunogen

The extracellular N-terminal proteoglycan-like region was used as the immunogen for the recombinant Carbonic Anhydrase IX antibody.

Storage

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

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