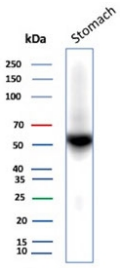
Recombinant CA9 Antibody / Carbonic anhydrase 9 [clone rCA9/9937] (V5809)

Catalog No.	Formulation	Size
V5809-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5809-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5809SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

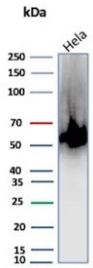
Recombinant | MOUSE MONOCLONAL

Bulk quote request

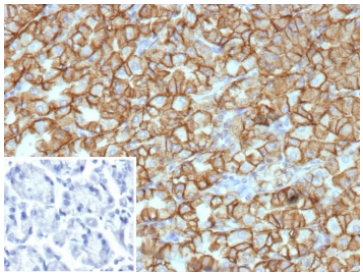
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Name	rCA9/9937
Purity	Protein G affinity
UniProt	Q16790
Localization	Cell surface, cytoplasmic, nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml
Limitations	This recombinant CA9 antibody is available for research use only.



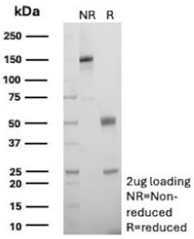
Western blot testing of human stomach tissue lysate with recombinant CA9 antibody (clone rCA9/9937). Predicted molecular weight: 50-55 kDa but may be observed at higher molecular weights due to glycosylation.



Western blot testing of human HeLa cell lysate with recombinant CA9 antibody (clone rCA9/9937). Predicted molecular weight: 50-55 kDa but may be observed at higher molecular weights due to glycosylation.



IHC staining of FFPE human stomach tissue with CA9 antibody (clone rCA9/9937). 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 CA9 antibody (clone rCA9/9937) 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 Bowman's 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 recombinant CA9 antibody should be determined by the researcher.

Immunogen

The extracellular N-terminal proteoglycan-like region of the human protein was used as the immunogen for the recombinant CA9 antibody. The epitope is localized to the amino acids 80-100 region.

Storage

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