

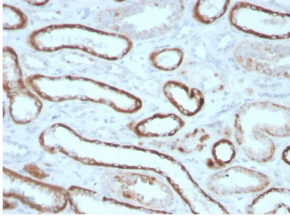
## Anti-Carbonic Anhydrase IX Antibody [CA9/3405] (A250356)

### Specifications:

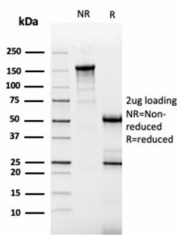
|                        |  |
|------------------------|--|
| Name:                  | Anti-Carbonic Anhydrase IX Antibody [CA9/3405]   |
| Description:           | Mouse monoclonal [CA9/3405] antibody to Carbonic Anhydrase IX.   |
| Specificity:           | This antibody recognizes a glycoprotein of ~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. |
| Applications:          | Flow Cytometry, IHC-P  |
| Recommended Dilutions: | Flow Cytometry: 1-2 µg/million cells, IHC-P: 1-2 µg/ml   |
| Reactivity:            | Human  |
| Immunogen:             | Recombinant fragment, around amino acids 314-410, of human CA9 protein. The exact sequence is proprietary.   |
| Host:                  | Mouse  |
| Clonality:             | Monoclonal   |
| Clone ID:              | CA9/3405   |
| Isotype:               | IgG2b  |
| Light Chains:          | kappa  |
| Conjugate:             | Unconjugated   |
| Purification:          | Protein A/G chromatography.  |
| Concentration:         | 200 µg/ml  |
| Product Form:          | Liquid   |
| Formulation:           | Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.  |
| Storage:               | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  |
| General Notes:         | This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Carbonic Anhydrase IX Antibody [CA9/3405] - BSA and Azide free (A253536).  |
| Disclaimer:            | This product is for research use only. It is not intended for diagnostic or therapeutic use.   |

# Anti-Carbonic Anhydrase IX Antibody [CA9/3405] (A250356)

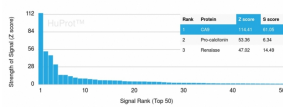
## Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human renal cell carcinoma using Anti-Carbonic Anhydrase IX Antibody [CA9/3405].



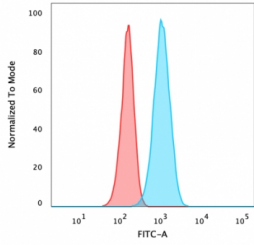
SDS-PAGE analysis of Anti-Carbonic Anhydrase IX Antibody [CA9/3405] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-Carbonic Anhydrase IX Antibody [CA9/3405]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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™ 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 be 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.

## Anti-Carbonic Anhydrase IX Antibody [CA9/3405] (A250356)

Images continued:



Flow cytometric analysis of PFA fixed U87 cells using Anti-Carbonic Anhydrase IX Antibody [CA9/3405] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).