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Renal Cell Carcinoma / gp200 Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone SPM487]
Catalog # AH10819

Specification

Renal Cell Carcinoma / gp200 Antibody - With BSA and Azide - Product Information

Application	**WB, IHC-P, IF, FC**
Primary Accession	Q16790
Other Accession	768, 63287
Reactivity	**Human, Horse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG2b, kappa**
Calculated MW	**200kDa KDa**

Renal Cell Carcinoma / gp200 Antibody - With BSA and Azide - Additional Information

Gene ID 768

Other Names
Carbonic anhydrase 9, 4.2.1.1, Carbonate dehydratase IX, Carbonic anhydrase IX, CA-IX, CAIX, Membrane antigen MN, P54/58N, Renal cell carcinoma-associated antigen G250, RCC-associated antigen G250, pMW1, CA9, G250, MN

Application Note
WB~~1:1000<br \>IHC-P~~N/A<br \>IF~~1:50~200<br \>FC~~1:10~50

Format
200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
Renal Cell Carcinoma / gp200 Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Renal Cell Carcinoma / gp200 Antibody - With BSA and Azide - Protein Information

Name CA9

Synonyms G250, MN

Function
Catalyzes the interconversion between carbon dioxide and water and the dissociated ions of

carbonic acid (i.e. bicarbonate and hydrogen ions).

Cellular Location
Nucleus. Nucleus, nucleolus. Cell membrane; Single-pass type I membrane protein. Cell projection, microvillus membrane; Single-pass type I membrane protein. Note=Found on the surface microvilli and in the nucleus, particularly in nucleolus

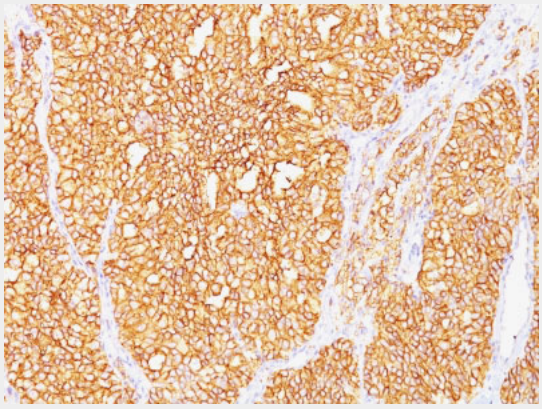
Tissue Location
Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa

Renal Cell Carcinoma / gp200 Antibody - With BSA and Azide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Renal Cell Carcinoma / gp200 Antibody - With BSA and Azide - Images



Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with RCC Monoclonal Antibody (SPM487).

Renal Cell Carcinoma / gp200 Antibody - With BSA and Azide - Background

Recognizes a glycoprotein of ~200kDa, identified as carbonic anhydrase IX (CAIX/gp200). Its epitope resides in the carbohydrate domain of gp200. It shows no significant cross-reactivity with other carbohydrate determinants, such as the Lewis blood group antigens, epithelial membrane antigen, HMFG, and AB blood group antigens. 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.

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Renal Cell Carcinoma / gp200 Antibody - With BSA and Azide - References

Yoshida SO, et. al. Cancer Research, 1989, 49(7):1802-9