

## Monoclonal Antibody to Renal Cell Carcinoma (gp200)

<b>Alternate names:</b>	Proximal Nephrogenic Renal Antigen
<b>Catalog No.:</b>	DM3239
<b>Quantity:</b>	0.5 ml
<b>Concentration:</b>	0.25 mg/ml IgG
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	B512 (PN-15)
<b>Immunogen:</b>	Microsomal fraction of human renal cortical tissue homogenate
<b>Applications:</b>	Immunohistochemistry on frozen and formalin-fixed, paraffin-embedded tissue sections (1:50-1:100; Antigen demasking by protease treatment is required. Cellular Localization: Cell membrane, Cytoplasmic. Recommended Positive Control: Normal kidney or renal cell carcinoma). Western Blotting (1:100-1:200, reduced and non-reduced, see ref. #1). Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts with a 200kD glycoprotein (gp200), which is also known as PNRA (Proximal Nephrogenic Renal Antigen). The antigen is a carbohydrate domain. Reacts with Human and Rat. Others not tested. 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. Of other normal tissues examined, the gp200 is also localized along the luminal surfaces of breast lobules and ducts, the luminal surface of the epididymal tubular epithelium, within the cytoplasm of parathyroid parenchymal cells, and focally within the colloid of thyroid follicles. Thirty-one other normal tissues do not express similar or cross-reacting antigens. Reportedly, gp200 is expressed by 93% of primary and 84% of metastatic renal cell carcinomas.  Mol. Wt of Antigen: ~200kD  Aliquoting Instructions: Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.
<b>Storage:</b>	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.
<b>General Readings:</b>	1. Yoshida, S.O etal, Can

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