

## Monoclonal Antibody to Proximal Nephrogenic Renal Antigen (PNRA / gp200) - Purified

<b>Alternate names:</b>	DM3184P
<b>Catalog No.:</b>	AM00240PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Background:</b>	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. 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.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N
<b>Clone:</b>	PN-15
<b>Immunogen:</b>	Microsomal fraction of human renal cortical tissue homogenate.
<b>Format:</b>	<b>State:</b> Liquid <b>Purification:</b> Protein G affinity purified immunoglobulin fraction <b>Buffer System:</b> 10 mM PBS, pH 7.4, with 0.09% Sodium Azide as preservative and 0.2% BSA as stabilizer.
<b>Applications:</b>	Western Blotting (see Ref. 1): Reduced and non-reduced. Immunohistology (Formalin/Paraffin): 2-4 µg/ml 30 Min. RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min. Recommended positive control: Normal Kidney or Renal Cell Carcinoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** This antibody 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. Clone PN-15 may be a useful reagent in the investigations of carcinomas of proximal nephrogenic differentiation especially those showing tubular differentiation. Cellular Localization: cell membrane, cytoplasmic. Mol. Wt of Antigen: ~200kD  
**Species:** Human and Rat.  
Other species not tested.

**Storage:** Store at 2-8°C for up to one month or in aliquots at -20°C for longer. Avoid repeated freeze thaw cycles! Shelf life: one year from despatch.

**General Readings:** 1. Yoshida SO, et. al. Cancer Research, 1989, 49(7):1802-9.

**Pictures:** Formalin-fixed. Paraffin-embedded human renal cell carcinoma stained with RCC Marker Ab (Cat.AM00240) using peroxidase- conjugate and AEC chromogen. Note cytoplasmic staining of tumor cells.

