

## Monoclonal Antibody to gp200 renal cell carcinoma marker - Purified

<b>Catalog No.:</b>	AM32416PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	gp200 is a surface membrane glycoprotein expressed on human embryonal carcinoma and is a malignant stem cell of testicular tumors. In normal kidney, gp200 is localised 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 localised 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 / IgG2b
<b>Recommended Isotype Controls:</b>	SM12P, AM03110PU-N
<b>Clone:</b>	PN-15
<b>Immunogen:</b>	Renal cortical tissue extract. Splenocytes were fused with mouse myeloma SP2/OAg14 cells.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Buffer System:</b> PBS <b>Preservatives:</b> 0.05% Sodium Azide
<b>Applications:</b>	<b>Western Blot.</b> <b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin Sections:</b> Use at 1/100-1/200 in an ABC method. Enzymatic predigestion of paraffin embedded tissues is recommended prior to the immunostaining. <i>Suggested Incubation Time:</i> 30 minutes at room temperature. <i>Positive Control:</i> Normal kidney or Renal Cell Carcinoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody is useful in differential diagnosis of carcinomas. PN-15 reacts with a glycoprotein of 200 kD (gp200), present in proximal renal tubules. The antigen is carbohydrate in nature and retained in formalin fixed paraffin embedded tissues. Other normal tissues that display the antigen include breast, parathyroid glands

and epididymis. Among renal carcinomas 93% of primary and 84% of metastatic carcinomas are positive. Relatively few other tumor types are positive: breast cancers, teratocarcinomas and parathyroid adenomas. Protease digestion prior to antibody incubation enhances staining of tissue sections.

*Cellular Localization:* Membrane.

**Species Reactivity:** **Tested:** Human.

**Storage:** Store the antibody undiluted at 2-8°C.  
Shelf life: one year from despatch.

**General Readings:** 1. Avery et al. Am. J. Surg. Pathol. 24: 203 (2000).  
2. Yoshida, S.O. and Imam, A; Cancer Res. 49; 1802-1809 (1989).

**Pictures:** Formalin-fixed. Paraffin-embedded human Renal Cell Carcinoma stained with RCC Marker Ab using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of tumor cells.

