



Renal Cell Carcinoma / gp200 (Carbonic Anhydrase IX); Clone 66.4.C2 (PN-15) (Concentrate)

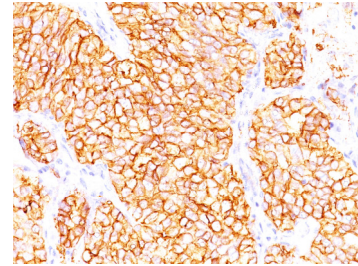
Availability/Contents:	<u>Item #</u>	<u>Volume</u>
	RA0026-C.5	0.5 ml
Description:		
Species:	Mouse	
Immunogen:	Microsomal fraction of human renal cortical tissue homogenate	
Clone:	66.4.C2 (PN-15)	
Isotype:	IgG2b, kappa	
Entrez Gene ID:	768 (Human)	
Hu Chromosome Loc.:	9p13.3	
Synonyms:	CA-IX, CA9, CAIX, Carbonate dehydratase IX, Carbonic anhydrase 9, Carbonic anhydrase IX, Carbonic dehydratase, G250, Membrane antigen MN, P54/58N, pMW1, RCC-associated antigen G250, Renal cell carcinoma-associated antigen G250	
Mol. Weight of Antigen:	200kDa	
Format:	200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.	
Specificity:	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.	
Background:	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.	
Species Reactivity:	Human and Horse. Others not known.	
Positive Control:	Normal kidney or renal cell carcinoma.	
Cellular Localization:	Cell surface and cytoplasmic	
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml	
	Flow Cytometry:	0.5-1 µg/million cells
	Immunofluorescence:	1-2 µg/ml
	Western Blotting:	0.5-1 µg/ml
	Immunoprecipitation:	1-2 µg/500µg protein lysate
Microbiological State:	This product is not sterile.	

 Storage: 2° C  8° C


 ScyTek Laboratories, Inc.
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 U.S.A.



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 Molsnstraat 15
 2513 BH Hague, The Netherlands

Uses/Limitations: Not to be taken internally.
 For Research Use Only.
 This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
 Do not use if reagent becomes cloudy.
 Do not use past expiration date.
 Non-Sterile.



Formalin-paraffin human renal cell carcinoma stained with RCC; Clone 66.4.C2. Note cytoplasmic and cell surface staining of tumor cells.

Ordering Information and Current Pricing at www.scytek.com

Procedure:

1. **Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
3. **Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).

Precautions: Contains Sodium Azide as a preservative (0.09% w/v).
 Do not pipette by mouth.
 Avoid contact of reagents and specimens with skin and mucous membranes.
 Avoid microbial contamination of reagents or increased nonspecific staining may occur.
 This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

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

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Storage: 2° C  8° C

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