Product Datasheet

Carbonic Anhydrase IX/CA9 Antibody (66.4.C2 (PN-15))
NBP2-15199-0.1mg

Unit Size: 0.1 mg

Store at 4C.

Publications: 6

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Updated 5/19/2021 v.20.1

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# NBP2-15199-0.1mg
Carbonic Anhydrase IX/CA9 Antibody (66.4.C2 (PN-15))

## Product Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Size</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>Concentration</td>
<td>0.2 mg/ml</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at 4C.</td>
</tr>
<tr>
<td>Clonality</td>
<td>Monoclonal</td>
</tr>
<tr>
<td>Clone</td>
<td>66.4.C2 (PN-15)</td>
</tr>
<tr>
<td>Preservative</td>
<td>0.05% Sodium Azide</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG2b Kappa</td>
</tr>
<tr>
<td>Purity</td>
<td>Protein G purified</td>
</tr>
<tr>
<td>Buffer</td>
<td>10 mM PBS with 0.05% BSA</td>
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</tbody>
</table>

## Product Description

**Host**  
Mouse

**Gene ID**  
768

**Gene Symbol**  
CA9

**Species**  
Human, Equine

**Specificity/Sensitivity**  
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.

**Immunogen**  
Microsomal fraction of human renal cortical tissue homogenate

## Product Application Details

**Applications**  
Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin

**Recommended Dilutions**  
Western Blot 0.5-1ug/ml, Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1-2ug/ml, Immunohistochemistry-Paraffin 0.5-1ug/ml

**Application Notes**  
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. Trypsin (10 min at 37C) is recommend for antigen retrieval (Bayder & Aydin, 2008).

Publications

Kusafuka K, Onitsuka T, Terada T. Sinonasal renal cell-like adenocarcinoma with EGFR overexpression of the maxillary sinus: Report of a high-grade case and a review of the literature. Human Pathology: Case Reports Jan 1 2020 12:00AM (IHC, Human)


Details:
IHC (P), Fig 4 (mass of unknown origin in a horse). Note: The antibody helped define the mass as a renal cell carcinoma.


Details:
IHC (P): Table 1 (kidney mass from a human neonate).


Details:
IHC(P): human renal tumor (results described).


Details:
IHC(P): human renal cell carcinoma and their metastases, haemangioblastoma (results described).


Details:
IHC (P): Table 1 (human kidney lesions).
Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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Products Related to NBP2-15199-0.1mg

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<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>HAF007</td>
<td>Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)]</td>
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<tr>
<td>NB720-B</td>
<td>Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]</td>
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<td>NBP1-43317-0.5mg</td>
<td>Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)</td>
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<tr>
<td>NB100-417PEP</td>
<td>Carbonic Anhydrase IX/CA9 Antibody Blocking Peptide</td>
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