For Research Use Only

Carbonic Anhydrase IX/CA9 Recombinant monoclonal antibody

Catalog Number:84233-5-RR

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Basic Information

Catalog Number:
84233-5-RR

Size:
100ul , Concentration: 798 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG36941

GenBank Accession Number:
BC014950

GeneID (NCBI):
768

UNIPROT ID:
Q16790

Full Name:
carbonic anhydrase IX

Calculated MW:
459 aa, 50 kDa

Purification Method:
Protein A purification

CloneNo.:
241573G11

Recommended Dilutions:
IHC: 1:2000-1:8000

Applications

Tested Applications:
IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human renal cell carcinoma tissue,

Background Information

CA9 (Carbonic anhydrase 9) may be involved in the control of cell proliferation and transformation and appears to be a novel specific biomarker for a cervical neoplasia (PMID:18703501). It is a tumor-associated antigen that has been shown to have diagnostic utility in identifying cervical dysplasia and carcinoma. The protein is present in the cytoplasmic membrane and the nucleus, with a molecular weight of 50 kDa. The molecular weight of the glycosylated form is approximately 60-70 kDa. (PMID: 31142270, PMID: 31819036)

Storage

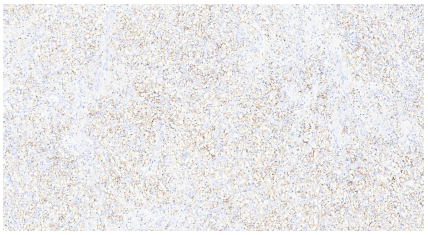
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

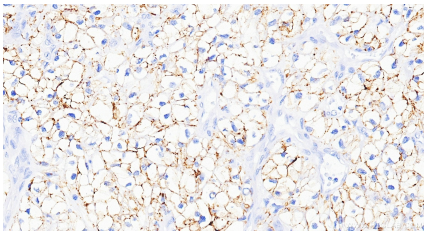
For technical support and original validation data for this product please contact:
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W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 84233-5-RR (Carbonic Anhydrase IX/CA9 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 84233-5-RR (Carbonic Anhydrase IX/CA9 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).