

For Research Use Only

CA9 Polyclonal antibody

Catalog Number: 11443-1-AP

Featured Product



Basic Information

Catalog Number:

11443-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1963

GenBank Accession Number:

BC014950

GeneID (NCBI):

768

UNIPROT ID:

Q16790

Full Name:

carbonic anhydrase IX

Calculated MW:

459 aa, 50 kDa

Observed MW:

50-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:500-1:2000

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse

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:

WB : mouse brain tissue, A549 cells

IHC : human stomach cancer 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 both on the plasma membrane and in the nucleus of cells and has the molecular.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

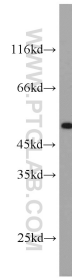
T: 4006900926

E: Proteintech-CN@ptglab.com

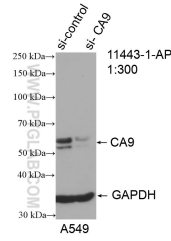
W: ptgcn.com

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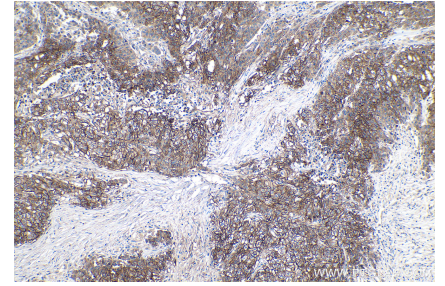
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11443-1-AP (CA IX antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



WB result of CA9 antibody (11443-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CA9 transfected A549 cells.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11443-1-AP (CA9 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).