



Carbonic Anhydrase 9 (ANT0009R) Rabbit mAb

CatalogNo: ANT8132 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 49kD (Calculated)
- 49kD (Observed)
- IgG,Kappa

Isotype

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:1000-5000

IF 1:200-1000

ELISA 1:5000-20000

IP 1:50-200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0009R

Target Information

Immunogen Information Specificity

Endogenous

Gene name CA9
Protein Name Carbonic anhydrase 9

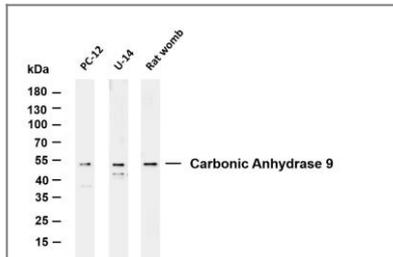
Organism	Gene ID	UniProt ID
Human	768;	Q16790;
Mouse	230099;	Q8VHB5;

Cellular Localization Membranous

Tissue specificity Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa.

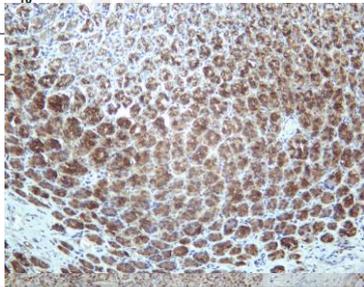
Function Catalytic activity: $H(2)CO(3) = CO(2) + H(2)O$.,cofactor:Zinc.,Function:Reversible hydration of carbon dioxide. Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia.,induction:By hypoxia.,ANTM:Asn-346 bears high-mannose type glycan structures.,similarity:Belongs to the alpha-carbonic anhydrase family.,subcellular location:Found on the surface microvilli and in the nucleus, particularly in nucleolus.,subunit:Forms oligomers linked by disulfide bonds.,tissue specificity:Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa.,

Validation Data

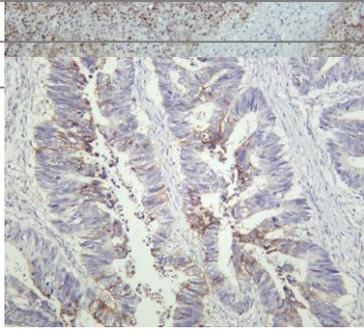


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Carbonic Anhydrase 9 (ANT0009R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: PC-12 Lane 2: U-14 Lane 3: Rat womb Predicted band size: 49kDa Observed band size: 49kDa

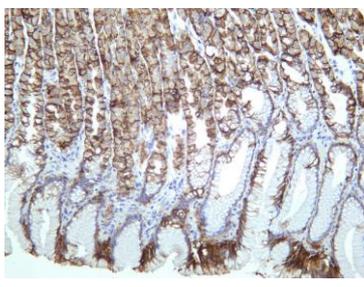
Human tonsil was stained with Anti-Carbonic Anhydrase 9 (ANT0009R) rabbit antibody
Rat stomach was stained with Anti-Carbonic Anhydrase 9 (ANT0009R) rabbit antibody



Human colon carcinoma was stained with Anti-Carbonic Anhydrase 9 (ANT0009R) rabbit antibody



Human stomach was stained with Anti-Carbonic Anhydrase 9 (ANT0009R) rabbit antibody



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