

Carbonic Anhydrase 9 (PT0209R) PT® Rabbit mAb

CatalogNo: YM8132 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat,

Applications

- WB, IHC, IF, IP, ELISA

MW

- 49kD (Calculated)
- 49kD (Observed)

Isotype

- IgG, Kappa

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)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number PT0209R

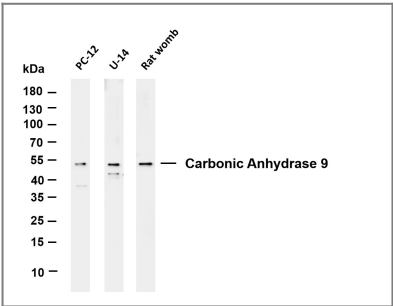
Immunogen Information

Specificity Endogenous

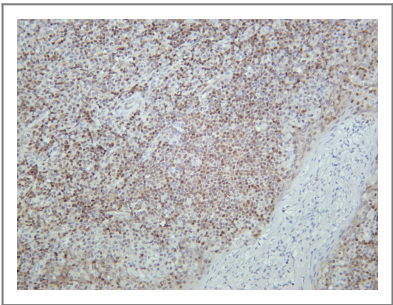
Target Information

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.,PTM: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.,		

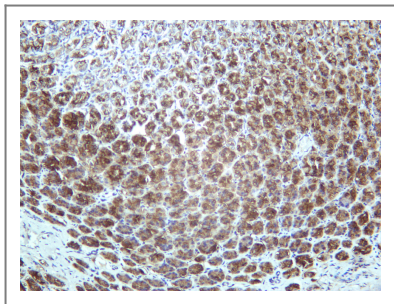
Validation Data



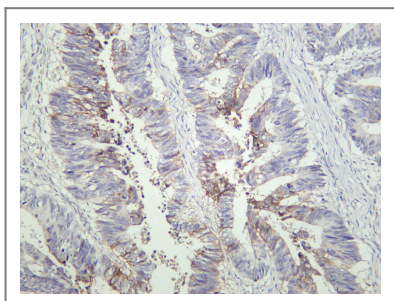
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Carbonic Anhydrase 9 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: PC-12 Lane 2: U-14 Lane 3: Rat womb Predicted band size: 49kDa Observed band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



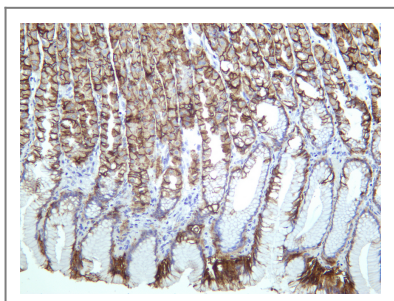
Human tonsil was stained with Anti-Carbonic Anhydrase 9 rabbit antibody



Rat stomach was stained with Anti-Carbonic Anhydrase 9 rabbit antibody



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



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

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
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product information:
**Carbonic Anhydrase
9 (PT0209R) PT®
Rabbit mAb**

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