

Carbonic Anhydrase 9 (PT0209R) PT® Rabbit mAb

Catalog No :	YM8132
Reactivity :	Human; Mouse; Rat;
Applications :	WB;IHC;IF;IP;ELISA
Target :	CA IX
Fields :	>>Nitrogen metabolism;>>Metabolic pathways
Gene Name :	CA9
Protein Name :	Carbonic anhydrase 9
Human Gene Id :	768
Human Swiss Prot No :	Q16790
Mouse Gene Id :	230099
Mouse Swiss Prot No :	Q8VHB5
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	IHC 1:200-1000,WB 1:1000-5000,IF 1:200-1000,ELISA 1:5000-20000,IP 1:50-200
Purification :	Protein A
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	49kD

Observed Band : 49kD

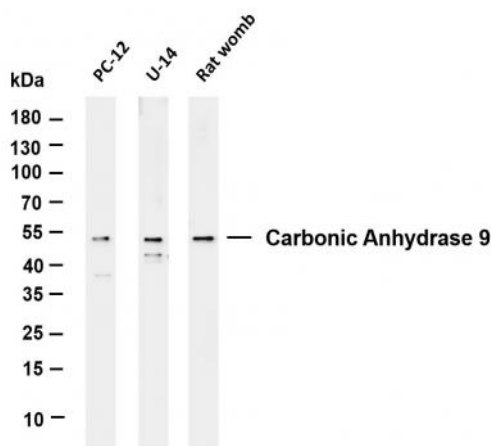
Cell Pathway : Nitrogen metabolism;

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.,

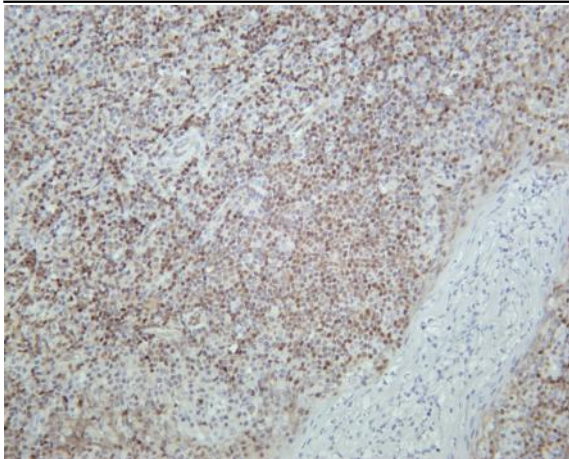
Subcellular Location : Membranous

Expression : 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.

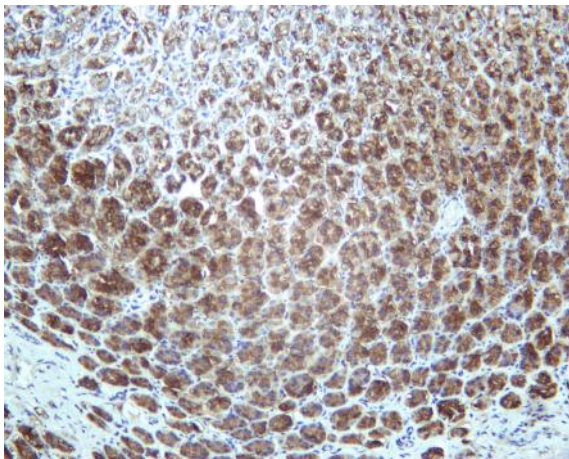
Products Images



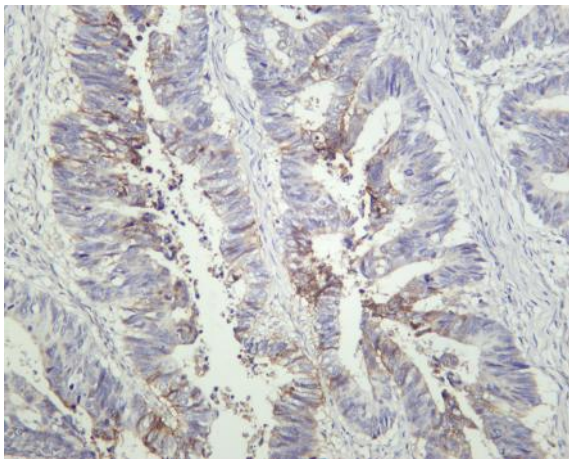
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Carbonic Anhydrase 9 (PT0209R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: PC-12 Lane 2: U-14 Lane 3: Rat womb Predicted band size: 49kDa Observed band size: 49kDa



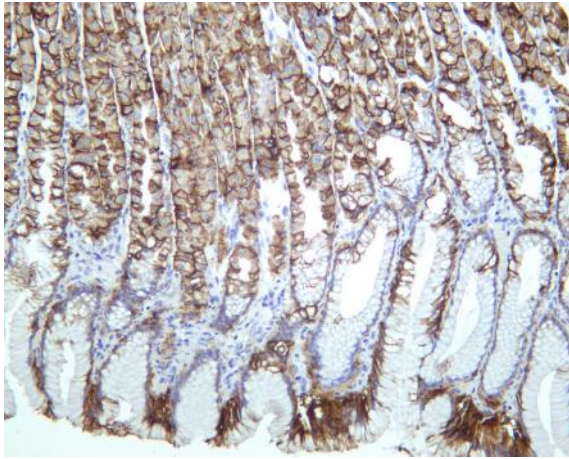
Human tonsil was stained with Anti-Carbonic Anhydrase 9 (PT0209R) rabbit antibody



Rat stomach was stained with Anti-Carbonic Anhydrase 9 (PT0209R) rabbit antibody



Human colon carcinoma was stained with Anti-Carbonic Anhydrase 9 (PT0209R) rabbit antibody



Human stomach was stained with Anti-Carbonic Anhydrase 9 (PT0209R) rabbit antibody