

CA IX (PTR2373) mouse mAb

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| Catalog No : | YM6225 |
| Reactivity : | Human; |
| Applications : | IHC;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 |
| Immunogen : | Recombinant protein |
| Specificity : | This antibody detects endogenous levels of CA IX protein. |
| Formulation : | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA |
| Source : | Mouse, Monoclonal/IgG |
| Dilution : | IHC 1:200-400. ELISA 1:500-5000 |
| Purification : | The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen. |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |

Molecularweight : 49kD

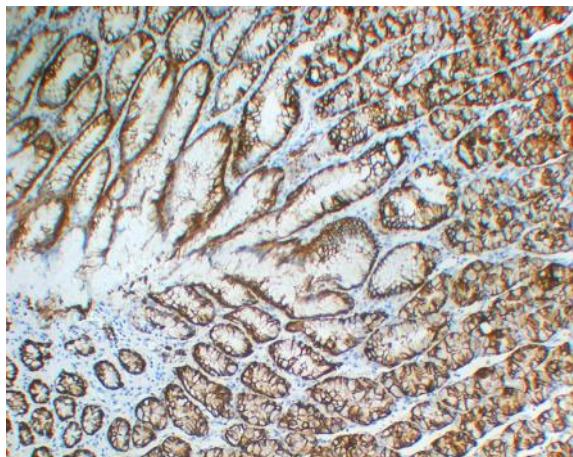
Cell Pathway : Nitrogen metabolism;

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.,

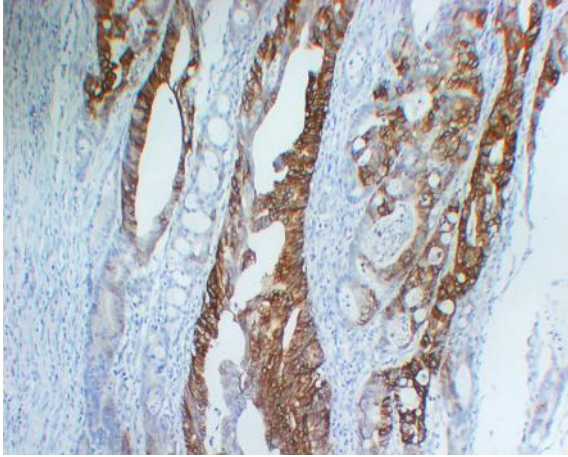
Subcellular Location : Membranous

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.

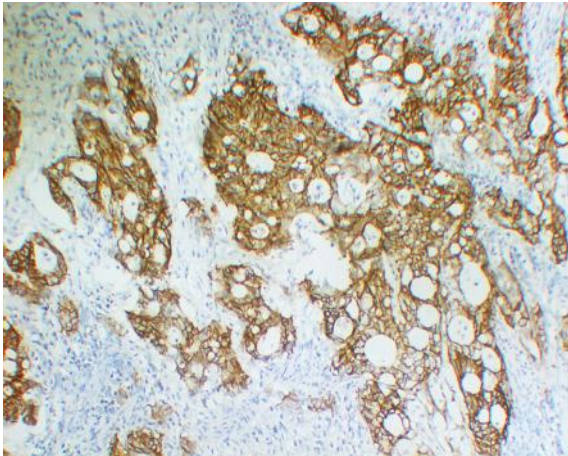
Products Images



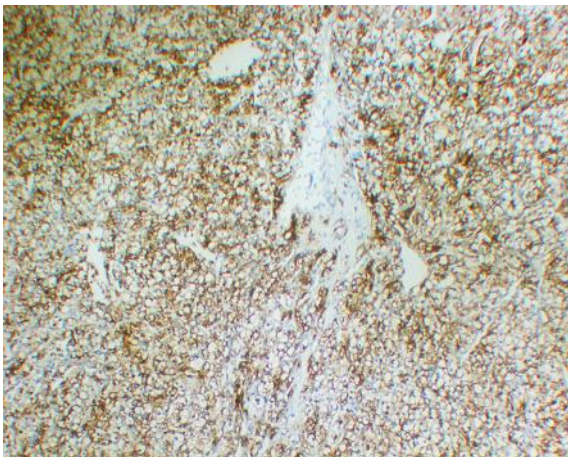
Human stomach tissue was stained with Anti-CA IX (PTR2373) Antibody



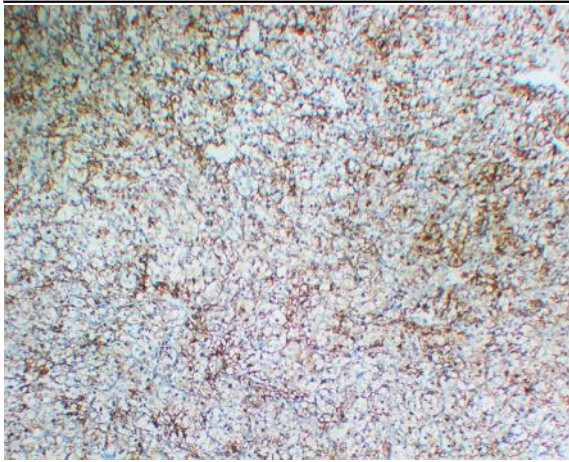
Human colon carcinoma tissue was stained with Anti-CA IX (PTR2373) Antibody



Human colon carcinoma tissue was stained with Anti-CA IX (PTR2373) Antibody



Human renal clear cell carcinoma tissue was stained with Anti-CA IX (PTR2373) Antibody



Human renal clear cell carcinoma tissue was stained with Anti-CA IX (PTR2373) Antibody