



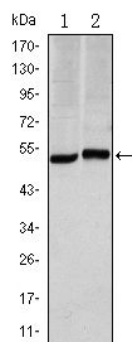
CA9

Mouse monoclonal Antibody

#54050

Catalog Number: 54050**Amount:** 100µg/100µl**Swiss-Prot No. :**Q16790**Form of Antibody:**Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human CA9 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:**This antibody detects endogenous levels of CA9 and does not cross-react with related proteins**Reactivity:** Human**Applications:**

Predicted MW: 50kd WB:1:500-2000 IHC:1:200-1000



Western blot analysis using CA9 mouse mAb against Hela (1) and A549 (2) cell lysate.

Background:CA IX is a transmembrane protein and the only tumor-associated carbonic anhydrase isoenzyme known. It is expressed in all clear-cell renal cell carcinoma, but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation. 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. 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.