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Anti-Carbonic Anhydrase 9 Antibody Antibody

Catalog # AP61574

Product Information

Application	WB, IHC, IP
Primary Accession	Q16790
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	49698

Additional Information

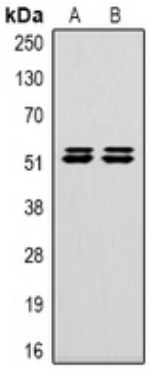
Gene ID	768
Other Names	G250; MN; Carbonic anhydrase 9; Carbonate dehydratase IX; Carbonic anhydrase IX; CA-IX; CAIX; Membrane antigen MN; P54/58N; Renal cell carcinoma-associated antigen G250; RCC-associated antigen G250; pMW1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence of human Carbonic Anhydrase 9. The exact sequence is proprietary.
Dilution	WB~~WB (1/1000 - 1/3000), IHC (1/100 - 1/200), IP (1/50 - 1/200) IHC~~WB (1/1000 - 1/3000), IHC (1/100 - 1/200), IP (1/50 - 1/200) IP~~WB (1/1000 - 1/3000), IHC (1/100 - 1/200), IP (1/50 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

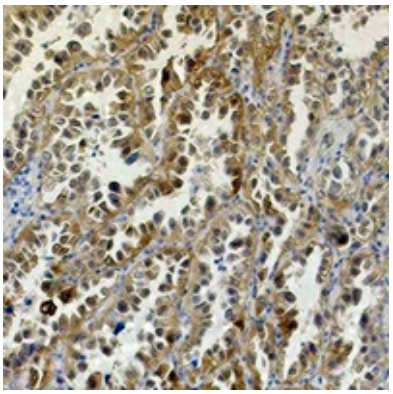
Name	CA9
Synonyms	G250, MN
Function	Catalyzes the interconversion between carbon dioxide and water and the dissociated ions of carbonic acid (i.e. bicarbonate and hydrogen ions).
Cellular Location	Nucleus. Nucleus, nucleolus. Cell membrane; Single-pass type I membrane protein. Cell projection, microvillus membrane; Single-pass type I membrane protein. Note=Found on the surface microvilli and in the nucleus, particularly in nucleolus
Tissue Location	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

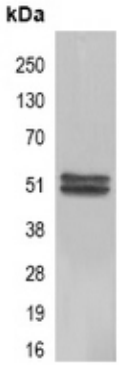
Images



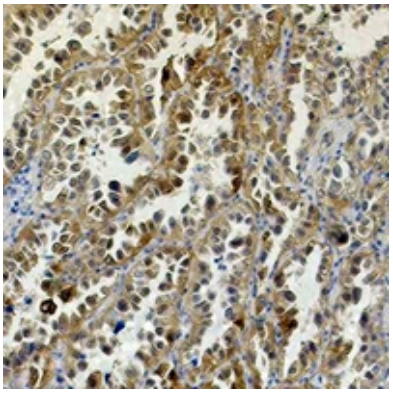
Western blot analysis of Carbonic Anhydrase 9 expression in Hela (A), 293T (B) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 49 kD)



Immunohistochemical analysis of Carbonic Anhydrase 9 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunoprecipitation of Carbonic Anhydrase 9 from 0.5mg Hela whole cell extract lysate, using Anti-Carbonic Anhydrase 9 Antibody Antibody.



Immunohistochemical analysis of Carbonic Anhydrase 9 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.