CA9 Monoclonal Antibody

catalog number: E-AB-22034

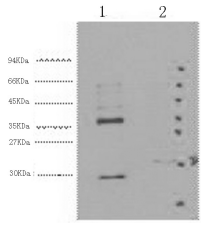
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG
Clone	9B5
Purification	Protein A purification
Conjugation	Unconjugated
buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:1000-1:3000
IHC	1:50-300
IF	1:50-1:200

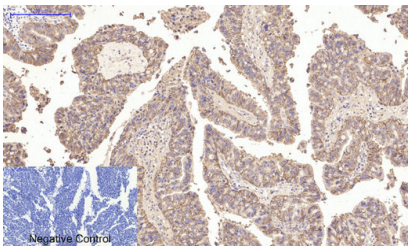
Data



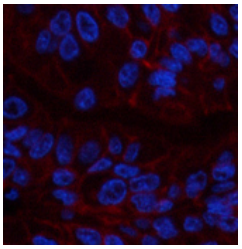
Western Blot analysis of 1) Hela, 2) 293T cells using CA9 Monoclonal Antibody at dilution of 1:5000.

Observed-MV:35-38 kDa

Calculated-MV:50 kDa



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using CA9 Monoclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Human liver cancer tissue using CA9 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

For Research Use Only

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Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. 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.

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