

Recombinant Carbonic Anhydrase 9 Monoclonal Antibody

catalog number: **AN301053L**

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

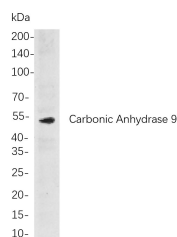
Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human Carbonic Anhydrase 9 protein
Host	Rabbit
Isotype	IgG, κ
Clone	B808
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

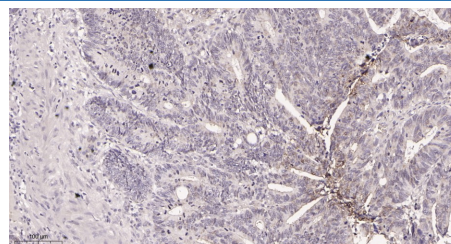
Applications	Recommended Dilution
IHC	1:200-1000
WB	1:1000-5000
IF	1:200-1000
ELISA	1:5000-20000
IP	1:50-200

Data



Western Blot with Recombinant Carbonic Anhydrase 9 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: PC-12 cells.

Observed-MW:49 kDa
Calculated-MW:49 kDa



Immunohistochemistry of paraffin-embedded human colon carcinoma tissue using Recombinant Carbonic Anhydrase 9 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

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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