

CA IX (AB2460) mouse mAb

V0587

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 49 kDa (calculated)
- kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB2460

Immunogen Recombinant protein of the human CA IX protein.

Specificity The antibody can specifically recognize human CA IX protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name CA9

Protein Name CA IX

Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q16790	768

Background

CA IX (Carbonic Anhydrase IX) is a transmembrane protein belonging to the carbonic anhydrase family. It catalyzes the conversion of carbon dioxide and water into bicarbonate and protons in the extracellular environment. CA IX is minimally expressed in normal tissues, primarily found in gastrointestinal epithelial cells, but is highly expressed in various malignant tumors, such as clear cell renal carcinoma, breast cancer, and pancreatic cancer. Its expression is significantly upregulated under hypoxic conditions. Therefore, CA IX has been widely studied as a tumor biomarker and a potential therapeutic target.