

Anti-CA12 Antibody (Monoclonal, 33C25)

Catalog Number: M04063-4

About CA12

Carbonic anhydrase 12 is an enzyme that in humans is encoded by the CA12 gene. It is mapped to 15q22.2. 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. This gene product is a type I membrane protein that is highly expressed in normal tissues, such as kidney, colon and pancreas, and has been found to be overexpressed in 10% of clear cell renal carcinomas. Three transcript variants encoding different isoforms have been identified for this gene.

Overview

Product Name	Anti-CA12 Antibody (Monoclonal, 33C25)
Reactive Species	Human
Description	Boster Bio Anti-CA12 Antibody (Monoclonal, 33C25) catalog # M04063-4. Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IF, ICC, WB
Clonality	Monoclonal 33C25
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O43570

Technical Details

Immunogen	Recombinant protein within human CA12 aa 3-299.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunocytochemistry/Immunofluorescence, 1:50-200
Flow Cytometry (Fixed), 1:50-200

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