

Anti-Carbonic Anhydrase 8 Antibody (6D426)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6D426
Purification:	Protein A

Applications

Verified Activity:	<p>1. Anti-CA8 rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: A549 Whole Cell lysate.-Lysates/proteins at 30 µg per lane.-Secondary-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.-Developed using the Odyssey technique.-Performed under reducing conditions.-Predicted band size:33 kDa.-Observed band size:38 kDa. <p>2. CA8 was immunoprecipitated using:</p> <ul style="list-style-type: none">-Lane A:0.5 mg Hela Whole Cell Lysate.-Lane B:0.5 mg A549 Whole Cell Lysate-0.5 µL anti-CA8 rabbit monoclonal antibody and 15 µL of 50 % Protein G agarose.-Primary antibody:-Anti-CA8 rabbit monoclonal antibody, at 1:150 dilution.-Secondary antibody:-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.-Developed using the odyssey technique.-Performed under reducing conditions.-Predicted band size: 37 kDa.-Observed band size: 37 kDa
Application:	IP,WB
Recommended	WB: 1:500-1:1000; IP: 0.2-1 µL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human Carbonic Anhydrase VIII / CA8 protein (TMPY-01706)

Antigen Species: Human

Synonyms: Cals;AW546993;Cals1;Car8;Carp;carbonic anhydrase VIII;wdl;Ca8;RP23-180H12.1

Research Background

The carbonic anhydrases (or carbonate dehydratases) are classified as metalloenzyme for its zinc ion prosthetic group and form a family of enzymes that catalyze the rapid interconversion of carbon dioxide and water to bicarbonate and protons, a reversible reaction that takes part in maintaining acid-base balance in blood and other tissues. The carbonic anhydrase (CA) family consists of at least 11 enzymatically active members and a few inactive homologous proteins. Carbonic anhydrase protein (CA) VIII, which is a member of the CA gene family, has been shown to have no catalytic CA activity and its biological function is still unknown. Increased expression of CA-RP VIII was observed in 78% of colorectal carcinomas. It suggested that CA-RP VIII plays a role in the process of invasion in colorectal cancer.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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