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Datasheet for ABIN2856125

anti-CA2 antibody

2 Images

Overview

Quantity:	100 µL
Target:	CA2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Carbonic anhydrase II. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to Carbonic anhydrase 2 (carbonic anhydrase II) Carbonic anhydrase 2 antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	CA2
Alternative Name:	carbonic anhydrase 2 (CA2 Products)

Target Details

Background: CA2 is one of several (at least 7) isozymes of carbonic anhydrase. Carbonic anhydrase catalyzes reversible hydration of carbon dioxide. Defects in this enzyme are associated with osteopetrosis and renal tubular acidosis.

Cellular Localization: Cytoplasm

Molecular Weight: 29 kDa

Gene ID: 760

UniProt: [P00918](#)

Application Details

Application Notes: WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: A431

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.17 mg/mL

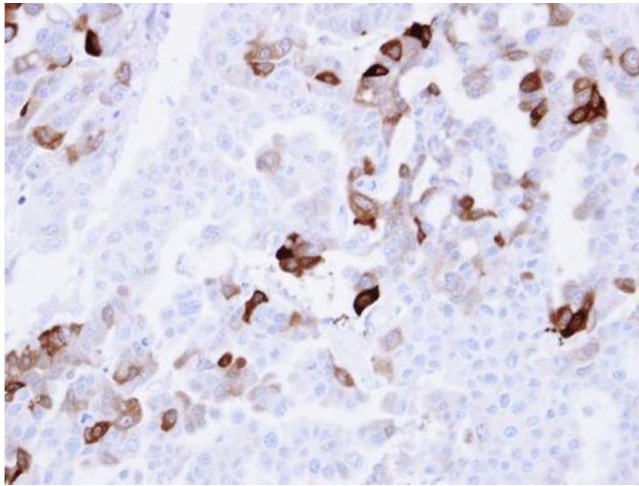
Buffer: 1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

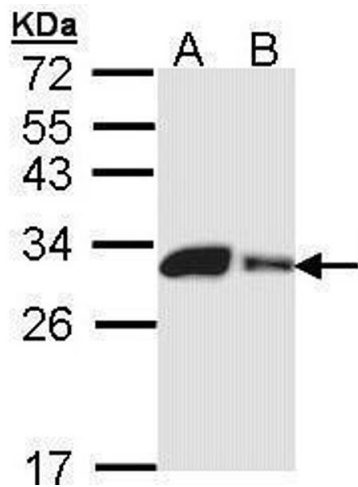
Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded OVCAR3 xenograft , using Carbonic anhydrase 2, antibody at 1:100 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: 293T B: A431 , 12% SDS PAGE antibody diluted at 1:1000