

# Carbonic Anhydrase II Polyclonal Antibody

## Product Details

Size	100 µL
Species	Human, Mouse
Expression System	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 22 and 236 of Human Carbonic anhydrase 2
Form	Liquid
Concentration	0.17 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 1% BSA, 20% glycerol
Contains	0.01% thimerosal
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2545743

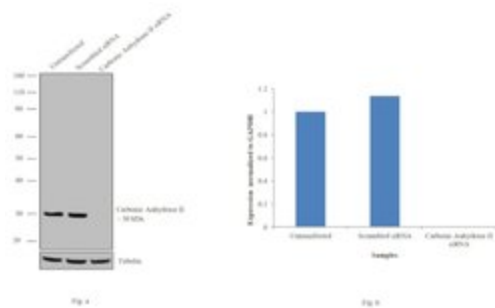
Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1000	-
Western Blot (WB)	1:500-1:3000	-

## Product Specific Information

Recommended positive controls: A431.

Predicted reactivity: Dog (92%), Rabbit (89%), Rhesus Monkey (99%), Chimpanzee (99%), Bovine (83%).

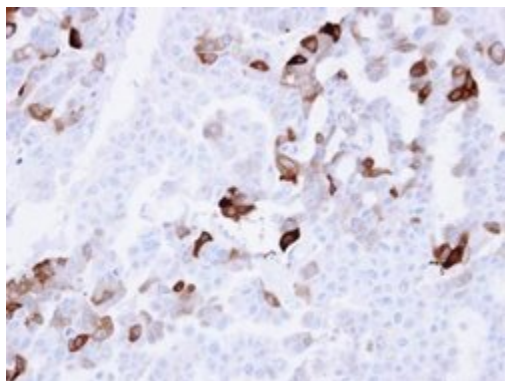
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.



### Carbonic Anhydrase II Antibody (PA5-28267)

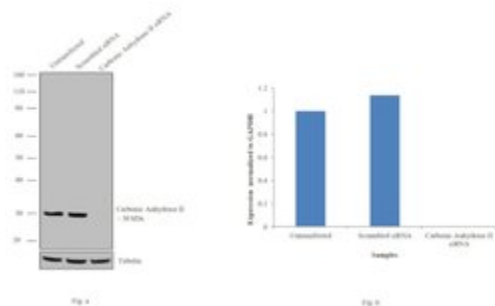
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-431 cells were transfected with Carbonic Anhydrase II siRNA and reduction of signal was observed in Western Blot using Carbonic Anhydrase II Polyclonal Antibody (Product # PA5-28267). Knockdown validation info.

## Product Images For Carbonic Anhydrase II Polyclonal Antibody



### Carbonic Anhydrase II Antibody (PA5-28267) in IHC (P)

Immunohistochemical analysis of Carbonic anhydrase 2 in paraffin-embedded OVCAR3 xenograft using a Carbonic anhydrase 2 polyclonal antibody (Product # PA5-28267) at a dilution of 1:100.



### Carbonic Anhydrase II Antibody (PA5-28267) in WB

Knockdown of Carbonic Anhydrase II was achieved by transfecting A-431 cells with Carbonic Anhydrase II specific siRNAs (Silencer® select Product # s2249; s2248). Western blot analysis (Fig. a) was performed using membrane enriched extracts from the Carbonic Anhydrase II knockdown cells (lane 3), non-specific scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blots were probed with Anti-Carbonic Anhydrase II Polyclonal Antibody (Product # PA5-28267, 1:1000 dilution) and Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to Carbonic Anhydrase II.

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