

KD-Validated Anti-Carbonic Anhydrase 9 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

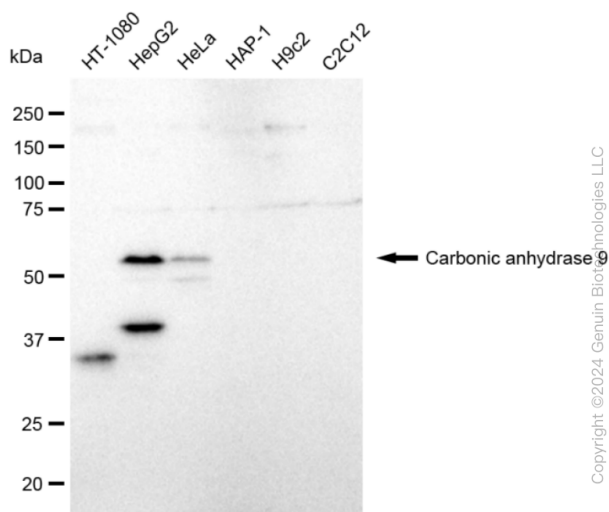
ABG2352

Product Overview

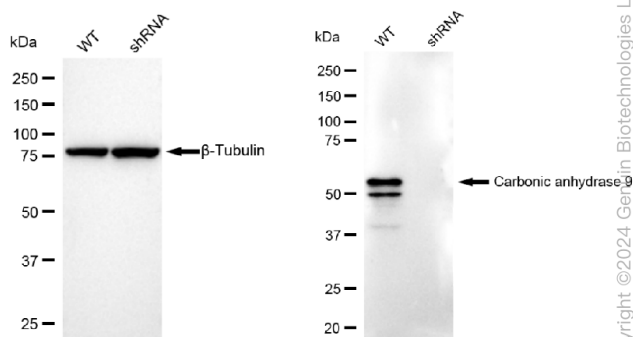
Name	KD-Validated Anti-Carbonic anhydrase 9 Rabbit Monoclonal Antibody
Accession(Primary)	Q16790
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human CA9
Species Reactivity	Human
Calculated MW	Predicted, 50 kDa , observed, 54 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Immunocytochemistry (IC): 1:1,000

Target information (Q16790)

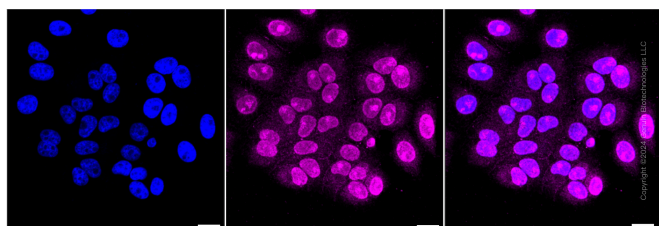
Gene Name	CA9
About Gene Symbol	CA9 (Carbonic Anhydrase 9) is a metabolic enzyme involved in adaptive immunity. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



Western blotting analysis using anti-Carbonic anhydrase 9 antibody (Cat#ABG2352). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Carbonic anhydrase 9 antibody (Cat#ABG2352, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Carbonic anhydrase 9 antibody (Cat#ABG2352). Carbonic anhydrase 9 expression in wild type (WT) and Carbonic anhydrase 9 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Carbonic anhydrase 9 antibody (Cat#ABG2352, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Immunocytochemical staining of HepG2 cells with CA9 antibody (Cat#ABG2352, 1:1,000). Nuclei were stained blue with DAPI; CA9 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.