

Carbonic Anhydrase II Recombinant Rabbit Monoclonal Antibody (2)

Product Details	
Size	100 µL
Species Reactivity	Mouse
Host/Isotype	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	2
Conjugate	Unconjugated
Immunogen	Recombinant Mouse Carbonic Anhydrase II/CA2 protein
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage Conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C
RRID	AB_2785968

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1000	-
ELISA (ELISA)	1:5000-1:10000	-

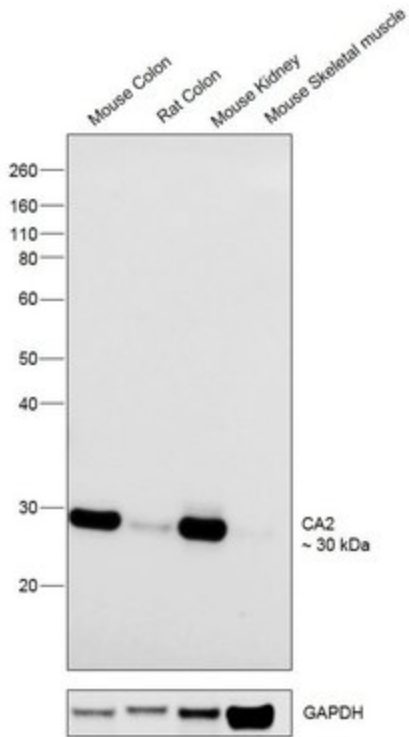
Product Specific Information

This product is preservative free. It is recommended to add sodium azide to avoid contamination (final concentration 0.05%-0.1%).

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

This antibody has specificity for Mouse Carbonic Anhydrase II/CA2.

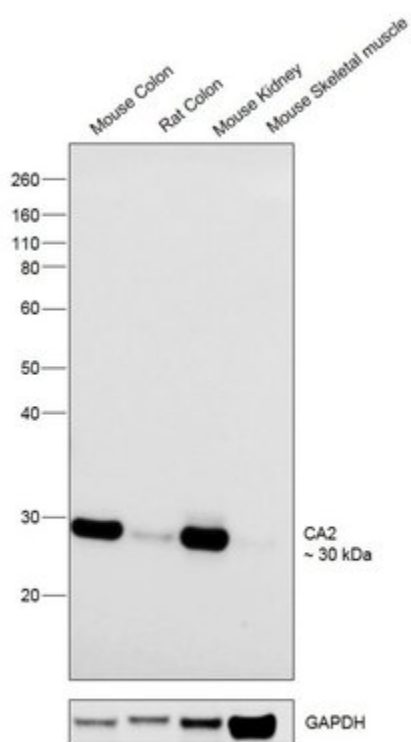
Advanced Verification Data



Carbonic Anhydrase II Antibody (MA5-30206)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues tested owing to their inherent genetic constitution. Higher expression of CA2 was observed in Mouse Colon, Rat Colon, Mouse Kidney in comparison to Mouse Skeletal muscle using Anti-Carbonic Anhydrase II Recombinant Rabbit Monoclonal Antibody (2) (Product # MA5-30206) in Western Blot. Relative expression validation info.

Product Images For Carbonic Anhydrase II Recombinant Rabbit Monoclonal Antibody (2)



Carbonic Anhydrase II Antibody (MA5-30206) in WB

Western blot was performed using Anti-Carbonic Anhydrase II Monoclonal Antibody (Product # MA5-30206) and a ~30kDa band corresponding to CA2 was observed across tissues tested except in Mouse Skeletal muscle which is reported to be negative. Tissue extracts (30 µg lysate) of Mouse Colon (Lane 1), Rat Colon (Lane 2), Mouse Kidney (Lane 3) and Mouse Skeletal muscle (Lane 4) were electrophoresed using NuPAGE® 10% Bis-Tris gel (Product # NP0302BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

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