

Product Datasheet

CAT1 Antibody (2B9) - Azide and BSA Free H00006541-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00006541-M02

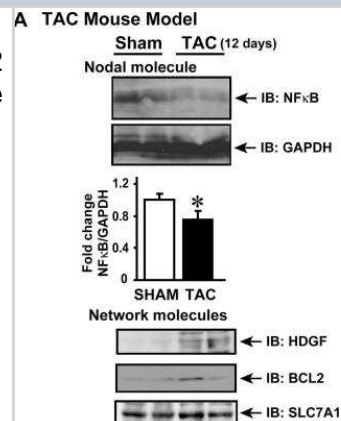
CAT1 Antibody (2B9) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2B9
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	6541
Gene Symbol	SLC7A1
Species	Human, Mouse
Reactivity Notes	Mouse data from journals.plos.org/plosone/article?id=10.1371/journal.pone.0170456 .
Specificity/Sensitivity	Reacts with solute carrier family 7 (cationic amino acid transporter, y+ system), member 1.
Immunogen	SLC7A1 (NP_003036, 431 a.a. ~ 492 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. RYQPEQPNLVYQMASTSELDPADQNELASTNDSQLGFLPEAEMFSLKTILSP KNMEPSKIS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Sandwich ELISA
Recommended Dilutions	Western Blot, ELISA, Sandwich ELISA
Application Notes	This antibody is reactive against recombinant protein in WB and ELISA.

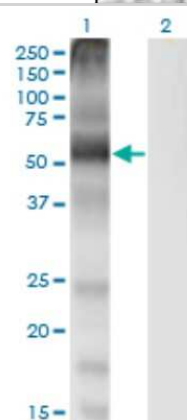


Images

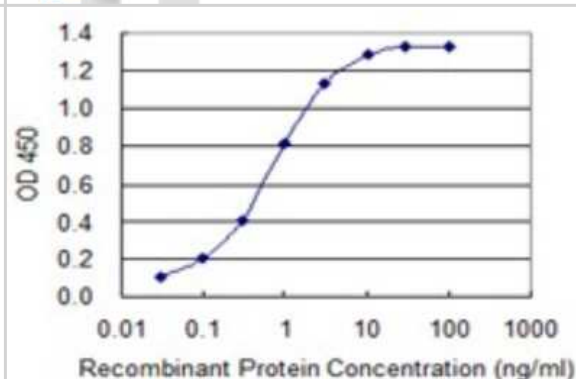
Western Blot: CAT1 Antibody (2B9) [H00006541-M02] - Since miRNA214 is upregulated and miRNA 378 is downregulated following 12 days of TAC, western immunoblotting was carried out for nodal molecule (NF kappa B) and other network molecules (HDGF, BCL2 and SLC7A1). GAPDH was used a loading control, * $p < 0.05$ vs. Sham, (n = 8). Image collected and cropped by CiteAb from the following publication (journals.plos.org/plosone/article?id=10.1371/journal.pone.0170456), licensed under a CC-BY license.



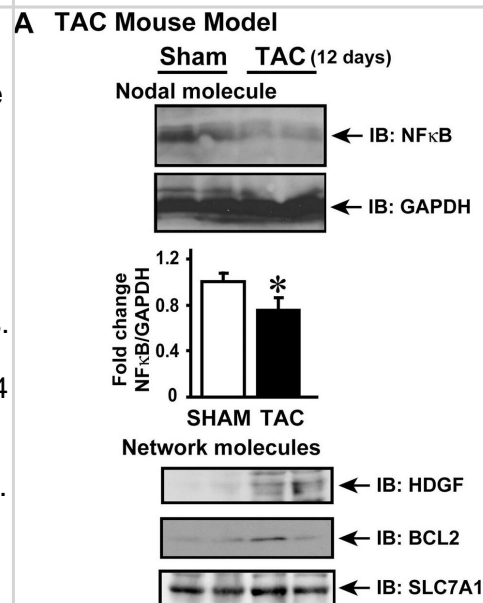
Western Blot: CAT1 Antibody (2B9) [H00006541-M02] - Analysis of SLC7A1 expression in transfected 293T cell line by SLC7A1 monoclonal antibody (M02), clone 2B9. Lane 1: SLC7A1 transfected lysate (Predicted MW: 67.6 KDa). Lane 2: Non-transfected lysate.



Sandwich ELISA: CAT1 Antibody (2B9) [H00006541-M02] - Detection limit for recombinant GST tagged SLC7A1 is 0.03 ng/ml as a capture antibody.



Western Blot: CAT1 Antibody (2B9) [H00006541-M02] - A, Since miRNA214 is upregulated & miRNA 378 is downregulated following 12 days of TAC, western immunoblotting was carried out for nodal molecule (NF kappa B) & other network molecules (HDGF, BCL2 & SLC7A1). GAPDH was used a loading control, * $p < 0.05$ vs. Sham, (n = 8). B, HL-1 cardiomyocyte cells were transfected with allstar scrambled control (Vec), or miRNA 214 along with miRNA 378 or miRNA 214 along with antagomir for miRNA 378. The cells were lysed & subjected to immunoblotting for NF kappa B. GAPDH was used as loading control. * $p < 0.05$ vs. Vec (scrambled vector control transfected cells); ** $p < 0.05$ vs. miRNA 214 & 378 transfected cells (n = 3). C, HEK 293 cells were transfected with Vec or miRNA 214 along with miRNA 378 or miRNA 214 along with antagomir for miRNA 378. The cell lysates were subjected to immunoblotting for NF kappa B. GAPDH was used as loading control. * $p < 0.05$ vs. Vec; ** $p < 0.05$ vs. miRNA 214 & 378 transfected cells (n = 3). Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/28329018>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.





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Products Related to H00006541-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00006541-Q01-10ug	Recombinant Human CAT1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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