

For Research Use Only

Catalase Recombinant monoclonal antibody

Catalog Number: 83329-2-RR



Basic Information

Catalog Number: 83329-2-RR	GenBank Accession Number: BC112219	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 847	CloneNo.: 253464B3
Source: Rabbit	UNIPROT ID: P04040	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: catalase	
Immunogen Catalog Number: AG15383	Calculated MW: 60 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : L02 cells, mouse liver tissue, HepG2 cells, HeLa cells, HT-1080 cells, rat liver tissue
Species Specificity: human, mouse, rat	

Background Information

Catalase belongs to the catalase family. CAT occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide. CAT promotes the growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells, and normal and transformed fibroblast cells. CAT catalyzes the reaction: $2\text{H}_2\text{O}_2 = \text{O}_2 + 2\text{H}_2\text{O}$. Defects in CAT are the cause of acatalasia (ACATLAS) which is also known as acatalasemia.

Storage

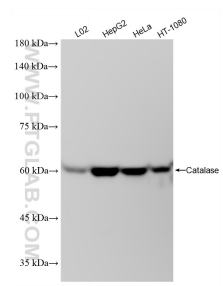
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

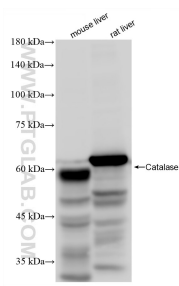
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83329-2-RR (Catalase antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 83329-2-RR (Catalase antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.