

For Research Use Only

Catalase Recombinant monoclonal antibody

Catalog Number: 83329-2-RR



Basic Information

Catalog Number:

83329-2-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15383

GenBank Accession Number:

BC112219

GeneID (NCBI):

847

UNIPROT ID:

P04040

Full Name:

catalase

Calculated MW:

60 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

253464B3

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : L02 cells, mouse liver tissue, HepG2 cells, HeLa cells, HT-1080 cells, rat liver tissue

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

For technical support and original validation data for this product please contact:

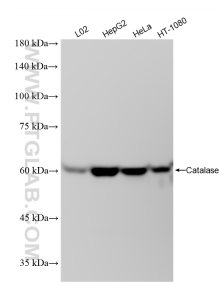
T: 4006900926

E: Proteintech-CN@ptglab.com

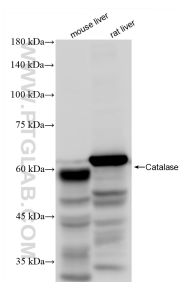
W: ptgcn.com

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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.



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