Product Name: Catalase Rabbit Polyclonal Antibody
Catalog #: APRab00174

Summary

Production Name	Catalase Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Immunogen

Gene Name	CAT
Alternative Names	Cas1; CAT; Catalase; Cs1
Gene ID	847
SwissProt ID	P04040

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100
Molecular Weight	Calculated MW: 60 kDa; Observed MW: 60 kDa

Background

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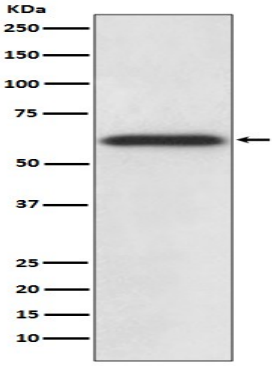
Catalase catalyzes the conversion of hydrogen peroxide to water and oxygen. Research studies show that overexpression of this antioxidant enzyme increases the ability of pancreatic β-cells to scavenge reactive oxygen species (ROS), thereby protecting pancreatic β-cells from oxidative stress.

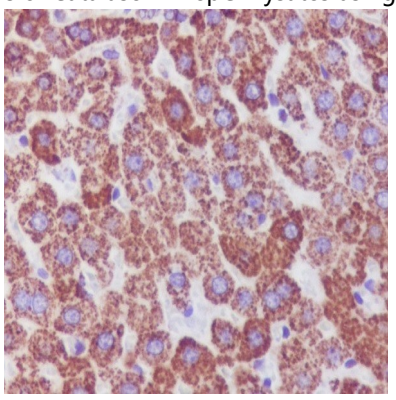
Research Area

Tags & Cell Markers

Image Data



Western blot analysis of Catalase in HepG2 lysates using Catalase antibody.



Immunohistochemistry analysis of paraffin-embedded rat liver using Catalase antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.