
Product Name: Catalase Rabbit Polyclonal Antibody**Catalog #: APRab00174**

For research use only.

Summary

| | |
|----------------------|--|
| Description | Rabbit polyclonal Antibody |
| Host | Rabbit |
| Application | WB,IHC |
| Reactivity | Human,Mouse,Rat |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Purification | Affinity Chromatography |

Application

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

Antigen Information

| | |
|--------------------------|---------------------------------------|
| Gene Name | CAT |
| Alternative Names | Cas1; CAT; Catalase; Cs1 |
| Gene ID | 847 |
| SwissProt ID | P04040 |
| Immunogen | A synthetic peptide of human Catalase |

Background

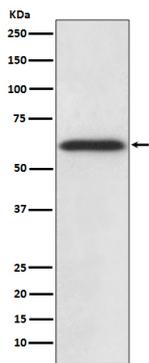
Catalase catalyzes the conversion of hydrogen peroxide to water and oxygen. Research studies show that overexpression of this antioxidant enzyme increases the ability of pancreatic β -cells to scavenge reactive oxygen species (ROS), thereby

protecting pancreatic β -cells from oxidative stress.

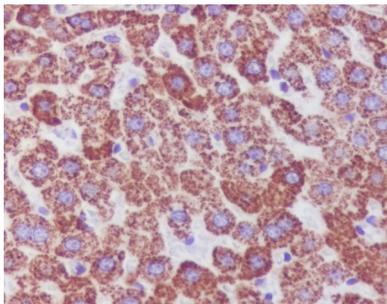
Research Area

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.