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anti-Catalase antibody

3 Images



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Overview

Quantity:	200 μL
Target:	Catalase (CAT)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Catalase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant protein of human CAT
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	Catalase (CAT)
Alternative Name:	CAT (CAT Products)
Background:	This gene encodes catalase, a key antioxidant enzyme in the bodies defense against oxidative
	stress. Catalase is a heme enzyme that is present in the peroxisome of nearly all aerobic cells.
	Catalase converts the reactive oxygen species hydrogen peroxide to water and oxygen and
	thereby mitigates the toxic effects of hydrogen peroxide. Oxidative stress is hypothesized to

Target Details

	play a role in the development of many chronic or late-onset diseases such as diabetes, asthma, Alzheimer's disease, systemic lupus erythematosus, rheumatoid arthritis, and cancers.
Molecular Weight:	60 kDa
UniProt:	P04040
Pathways:	Cellular Glucan Metabolic Process, Cell RedoxHomeostasis, Photoperiodism

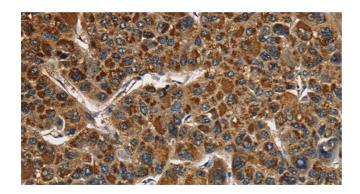
Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200
Restrictions:	For Research Use only

Handling

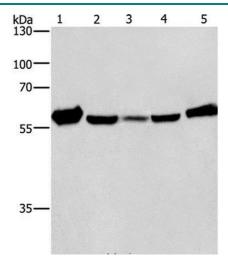
Format:	Liquid
Concentration:	0.4 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



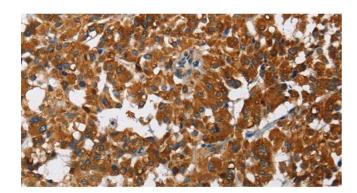
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human liver cancer using CAT Polyclonal Antibody at dilution of 1:40



Western Blotting

Image 2. Western Blot analysis of Mouse liver tissue and Raji cell, hela, hepG2 and A549 cell using CAT Polyclonal Antibody at dilution of 1:266.6



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human thyroid cancer using CAT Polyclonal Antibody at dilution of 1:40