

Anti-Catalase Rabbit Monoclonal Antibody

Catalog # ABO13944

Product Information

Application	WB, IHC
Primary Accession	P04040
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Catalase Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	847
Other Names	Catalase, 1.11.1.6, CAT
Calculated MW	59756
Application Details	WB 1:500-1:1000 IHC 1:50-1:200
Subcellular Localization	Peroxisome.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AAGA-3
Immunogen	A synthesized peptide derived from human Catalase
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

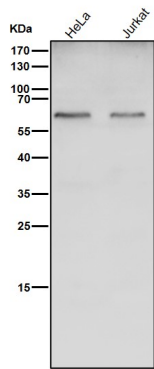
Name	CAT
Function	Catalyzes the degradation of hydrogen peroxide (H ₂ O ₂) generated by peroxisomal oxidases to water and oxygen, thereby protecting cells from the toxic effects of hydrogen peroxide (PubMed: 7882369). Promotes growth of

cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells (PubMed:[7882369](#)).

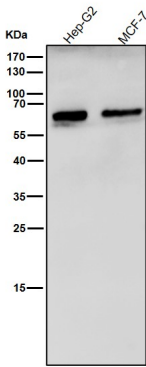
Cellular Location

Peroxisome matrix

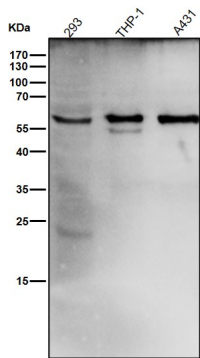
Images



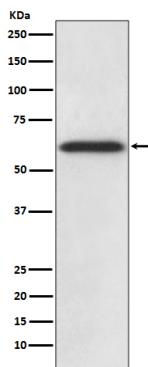
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



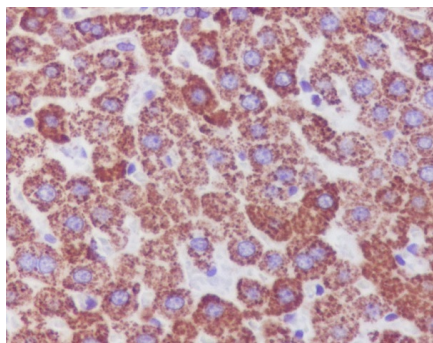
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Western blot analysis of Catalase expression in HepG2 cell lysate.



Immunohistochemical analysis of paraffin-embedded rat liver, using Catalase Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.