

Anti-Catalase Antibody

Rabbit polyclonal antibody to Catalase
Catalog # AP61186

Product Information

Application	WB, IHC
Primary Accession	P04040
Other Accession	P24270
Reactivity	Human, Mouse, Rat, Zebrafish, Bovine, Drosophila
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59756

Additional Information

Gene ID	847
Other Names	Catalase
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Catalase. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

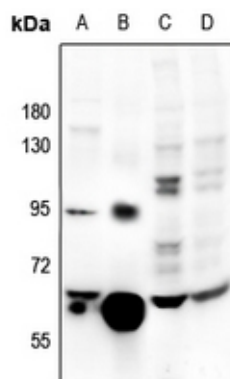
Protein Information

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

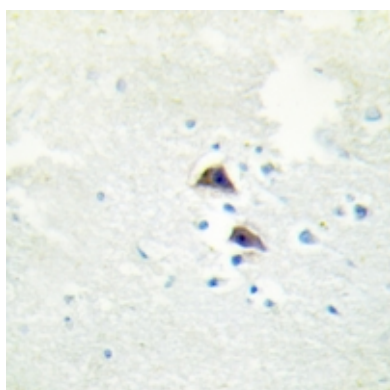
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Catalase. The exact sequence is proprietary.

Images



Western blot analysis of Catalase expression in rat prostate (A), mouse kidney (B), A549 (C), LO2 (D) whole cell lysates.



Immunohistochemical analysis of Catalase staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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