

**Anti-Catalase Antibody**  
**Rabbit polyclonal antibody to Catalase**  
**Catalog # AP61186****Specification**

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**Anti-Catalase Antibody - Product Information**

Application	WB, IH
Primary Accession	<a href="#">P04040</a>
Other Accession	<a href="#">P24270</a>
Reactivity	Human, Mouse, Rat, Zebrafish, Bovine, Drosophila
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59756

**Anti-Catalase Antibody - Additional Information****Gene ID** 847**Other Names**

Catalase

**Target/Specificity**

Recognizes endogenous levels of Catalase protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)

IH~~WB (1/500 - 1/1000), IH (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

**Anti-Catalase Antibody - Protein Information****Name** CAT**Function**

Catalyzes the degradation of hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) generated by peroxisomal oxidases to water and oxygen, thereby protecting cells from the toxic effects of hydrogen peroxide (PubMed:<a href="http://www.uniprot.org/citations/7882369" target="\_blank">7882369</a>).

Promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells (PubMed:<a href="http://www.uniprot.org/citations/7882369" target="\_blank">7882369</a>).

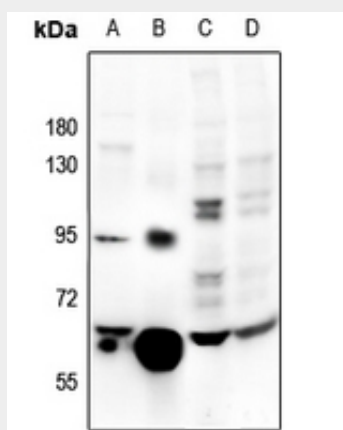
**Cellular Location**

Peroxisome matrix

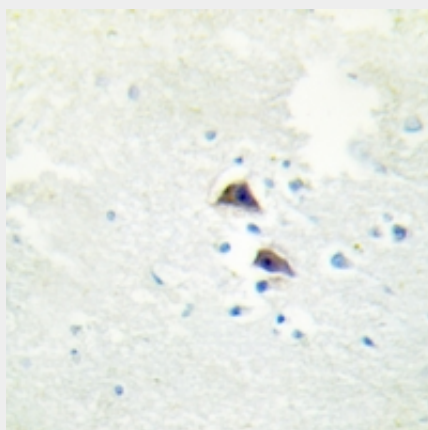
**Anti-Catalase Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Catalase Antibody - 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.

**Anti-Catalase Antibody - Background**

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