

**Catalase Polyclonal Antibody**  
Catalog # AP73338**Specification**

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**Catalase Polyclonal Antibody - Product Information**

Application	IF
Primary Accession	<a href="#">P04040</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**Catalase Polyclonal Antibody - Additional Information****Gene ID** 847**Other Names**  
CAT; Catalase**Dilution**

IF~IF: 1:50-200 Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**Catalase Polyclonal 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:[7882369](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/7882369)).

**Cellular Location**

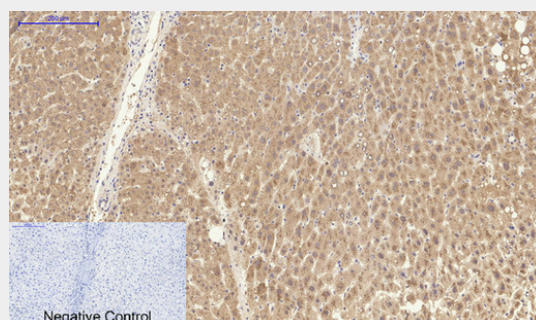
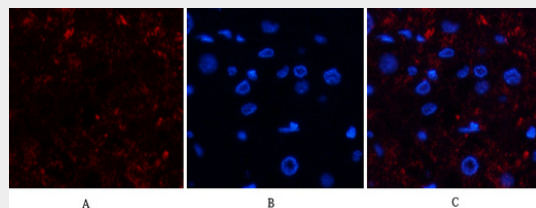
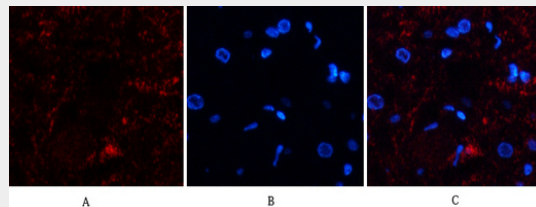
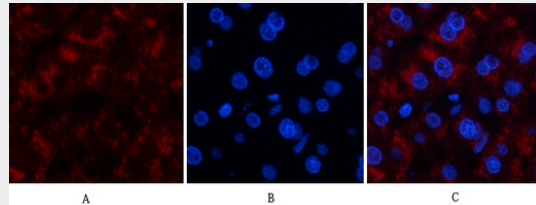
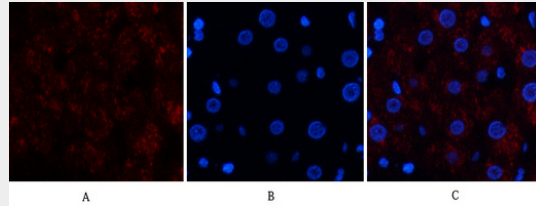
Peroxisome matrix

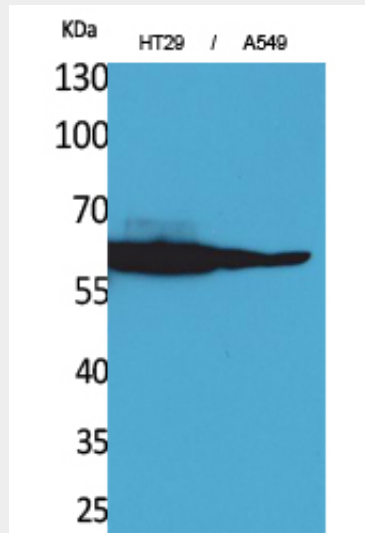
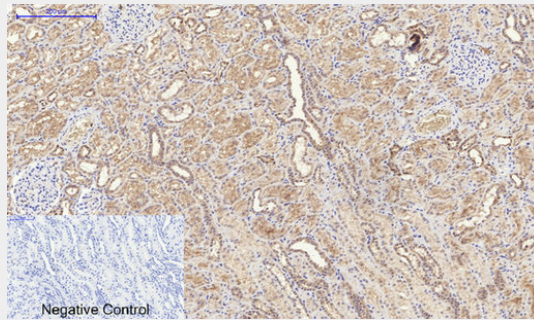
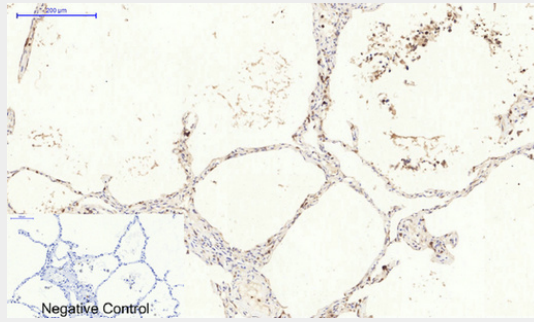
**Catalase Polyclonal Antibody - Protocols**

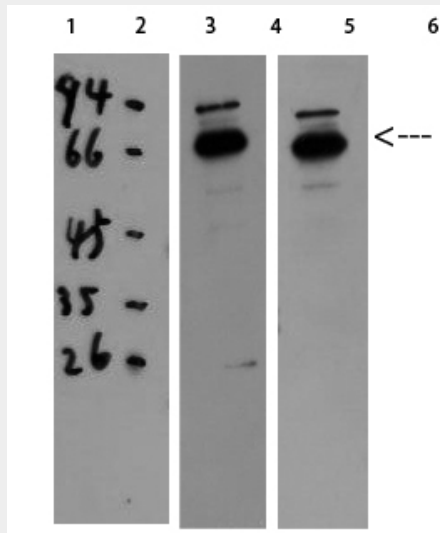
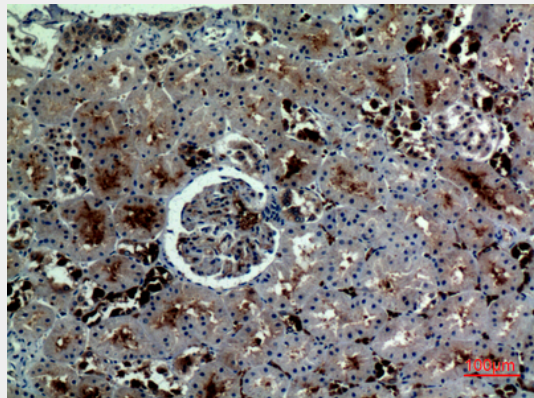
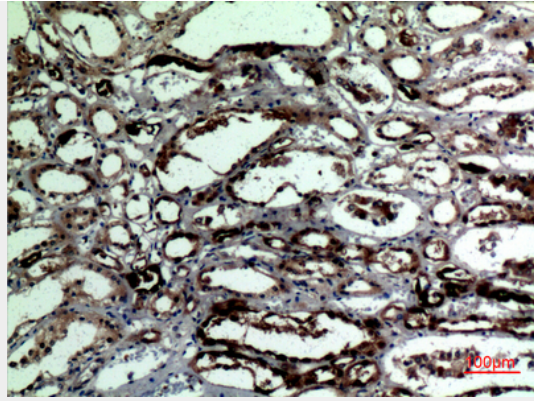
Provided below are standard protocols that you may find useful for product applications.

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

### Catalase Polyclonal Antibody - Images







**Catalase Polyclonal Antibody - Background**

Occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide. Promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells.