10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

CAT / Catalase Antibody
Mouse Monoclonal Antibody
Catalog # ALS12316

Specification

CAT / Catalase Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P04040
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**60kDa KDa**

CAT / Catalase Antibody - Additional Information

Gene ID 847

Other Names
Catalase, 1.11.1.6, CAT

Reconstitution & Storage
Long term: -20°C; Short term: -20°C

Precautions
CAT / Catalase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CAT / Catalase Antibody - 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

Volume
50 µl

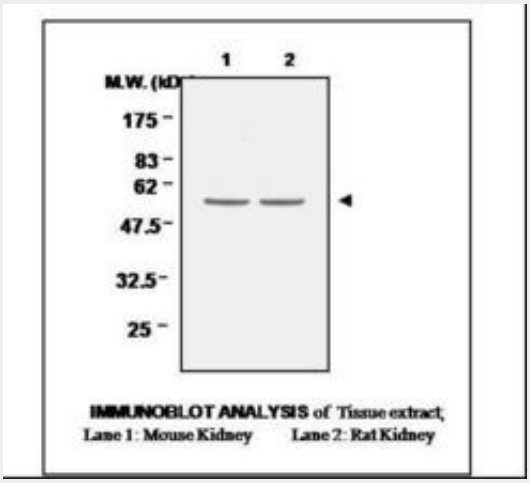
CAT / Catalase Antibody - Protocols

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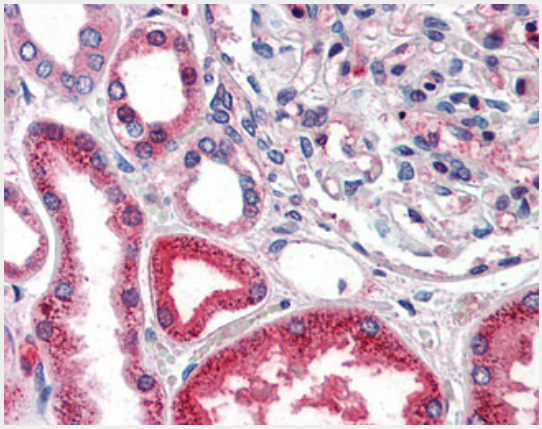
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CAT / Catalase Antibody - Images



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Anti-Catalase antibody IHC of human kidney.

CAT / Catalase 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.

CAT / Catalase Antibody - References

Quan F.,et al.Nucleic Acids Res. 14:5321-5335(1986).
Bell G.I.,et al.Nucleic Acids Res. 14:5561-5562(1986).

Jin L.H.,et al.Free Radic. Biol. Med. 31:1509-1519(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Taylor T.D.,et al.Nature 440:497-500(2006).