Datasheet for ABIN7434890
anti-Catalase antibody (AA 80-239)

## 3 Images



Overview

| Quantity: | $100 \mu \mathrm{~L}$ |
| :--- | :--- |
| Target: | Catalase (CAT) |
| Binding Specificity: | AA 80-239 |
| Reactivity: | Mouse |
| Host: | Polyclonal |
| Clonality: | This Catalase antibody is un-conjugated |
| Conjugate: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), |
| Application: | Immunocytochemistry (ICC) |

## Product Details

| Purpose: | Polyclonal Antibody to Catalase (CAT) |
| :--- | :--- |
| Immunogen: | Recombinant Catalase (CAT) corresdonding to Gly80~Asp239 with N-terminal His Tag |
| Isotype: | IgG |
| Specificity: | The antibody is a rabbit polyclonal antibody raised against CAT. It has been selected for its <br> ability to recognize CAT in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Human, Rat |
| Purification: | Antigen-specific affinity chromatography followed by Protein A affinity chromatography |

## Target Details

| Target: | Catalase (CAT) |
| :--- | :--- |
| Alternative Name: | Catalase (CAT Products) |
| Pathways: | Cellular Glucan Metabolic Process, Cell RedoxHomeostasis, Photoperiodism |

## Application Details

| Application Notes: | Western blotting: $0.5-2 \mu \mathrm{~g} / \mathrm{mL}$ Immunohistochemistry: 5-20 $\mu \mathrm{g} / \mathrm{mL}$ Immunocytochemistry: 5$20 \mu \mathrm{~g} / \mathrm{mL}$ Optimal working dilutions must be determined by end user. |
| :---: | :---: |
| Comment: | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at $37^{\circ} \mathrm{C}$ for 48 h , and no obvious degradation and precipitation were observed. The loss rate is less than $5 \%$ within the expiration date under appropriate storage condition. |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Liquid |
| Buffer: | 0.01M PBS, pH 7.4, containing 0.05 \% Proclin-300, 50 \% glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | $4^{\circ} \mathrm{C},-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Store at $4^{\circ} \mathrm{C}$ for frequent use. Stored at $-20^{\circ} \mathrm{C}$ in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |
| Expiry Date: | 24 months |



Immunohistochemistry
Image 3. Detection of CAT in Mouse Kidney Tissue using Polyclonal Antibody to Catalase (CAT)

