

## Anti-Catalase Rabbit Monoclonal Antibody

### Introduction

Catalase catalyzes the conversion of hydrogen peroxide to water and oxygen. Research studies show that overexpression of this antioxidant enzyme increases the ability of pancreatic  $\beta$ -cells to scavenge reactive oxygen species (ROS), thereby protecting pancreatic  $\beta$ -cells from oxidative stress.

### Product parameters

|                    |   |
|--------------------|---|
| Alternative Names  | Cas1; CAT; Catalase; Cs1  |
| Gene ID            | 847   |
| Gene Name          | CAT   |
| SwissProt ID       | P04040  |
| Host               | Rabbit  |
| Reactivity         | Human, Mouse, Rat   |
| Molecular Weight   | Calculated MW: 60 kDa; Observed MW: 60 kDa  |
| Conjugation        | Unconjugated  |
| Ex                 | -   |
| Em                 | -   |
| Modification       | Unmodified  |
| Clonality          | IgG   |
| Isotype            | Monoclonal Antibody   |
| Clonality No.      | AP-9G11C11  |
| Form               | Liquid  |
| Concentration      | See label   |
| Carrier            | Carrier Not Free  |
| Immunogen          | A synthetic peptide of human Catalase   |
| Purification       | Affinity Purified   |
| Buffer System      | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA. |
| Application        | WB, IHC-P   |
| Dilution Ratio     | WB: 1/500-1/1000 IHC: 1/50-1/100  |
| Research Field     | Tags & Cell Markers   |
| Product Categories | Primary antibody  |
| Shipping           | Blue ice  |

|                 |                                  |
|-----------------|----------------------------------|
| Storage         | -20°C                            |
| Expiration Date | 12 months                        |
| Note            | Please avoid freeze-thaw cycles. |

## Protocol

Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



**APExBIO Technology**

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