

# Anti-Catalase Recombinant Rabbit Monoclonal Antibody



**Catalog #: 4314**

## Aliases

CAT; Catalase; EC 1.11.1.6; Epididymis Secretory Sperm Binding Protein

## Background

Gene Name: CAT

NCBI Gene Entry: [847](#)

UniProt Entry: [P04040](#)

## Application Information

Molecular Weight: Predicted, 60 kDa; observed, 60 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB10600

Species Reactivity: Human, rat

Applications Tested: Western blotting (WB), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human Catalase

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Immunocytochemistry (IC): 1:100-1:1,000

**Note:** This product is for research use only.

## Validation Data

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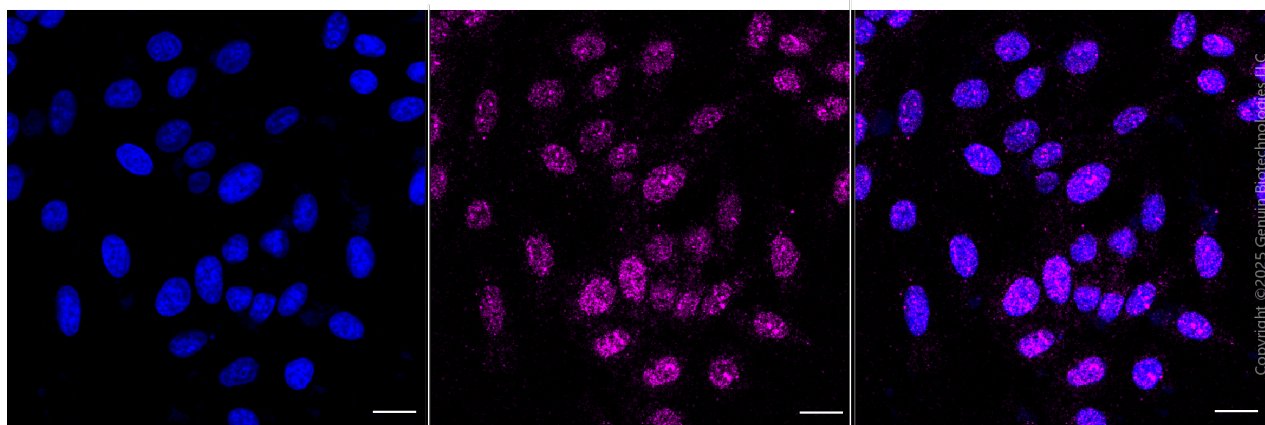
### SUPPORT

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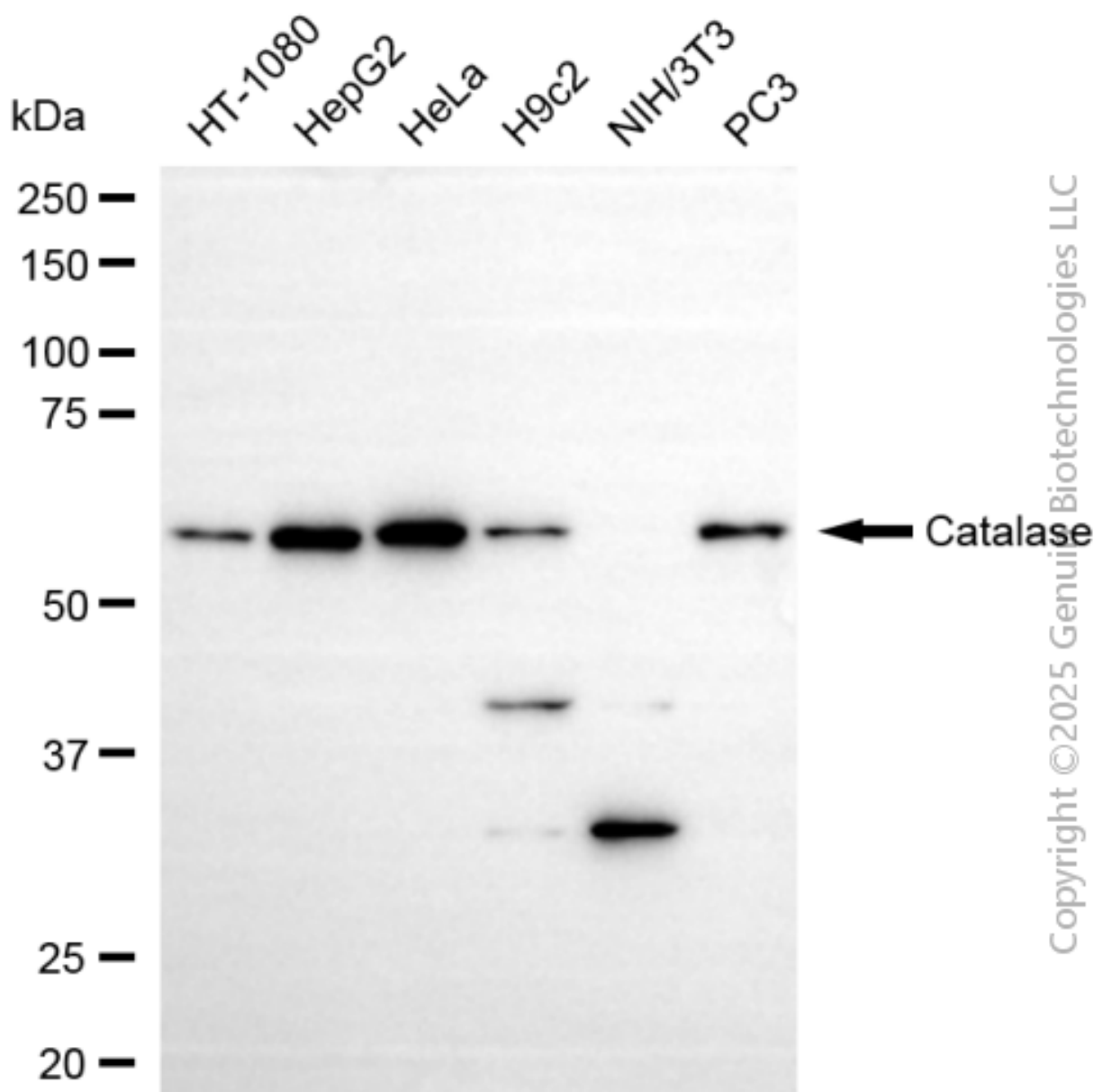
### ORDERS

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Immunocytochemical staining of HepG2 cells with anti-Catalase antibody (Cat#4314, 1:1,000). Nuclei were stained blue with DAPI; Catalase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low . Scale bar, 20  $\mu$ m.



Western blotting analysis using anti-catalase antibody (Cat#4314). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-catalase antibody (Cat#4314, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).