



Datasheet for ABIN872991
anti-Catalase antibody (AA 251-350)



[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	Catalase (CAT)
Binding Specificity:	AA 251-350
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Catalase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Catalase
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Horse
Purification:	Purified by Protein A.

Target Details

Target:	Catalase (CAT)
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Target Details

Alternative Name: [Catalase \(CAT Products\)](#)

Background: Synonyms: Catalase, CAT

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.

Gene ID: 847

UniProt: [P04040](#)

Pathways: [Cellular Glucan Metabolic Process](#), [Cell RedoxHomeostasis](#), [Photoperiodism](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 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 °C,-20 °C

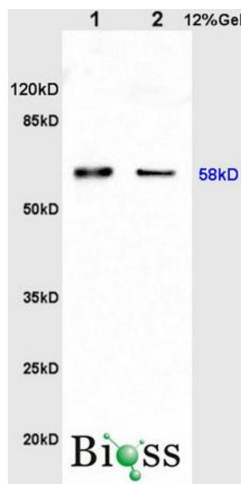
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Product cited in:

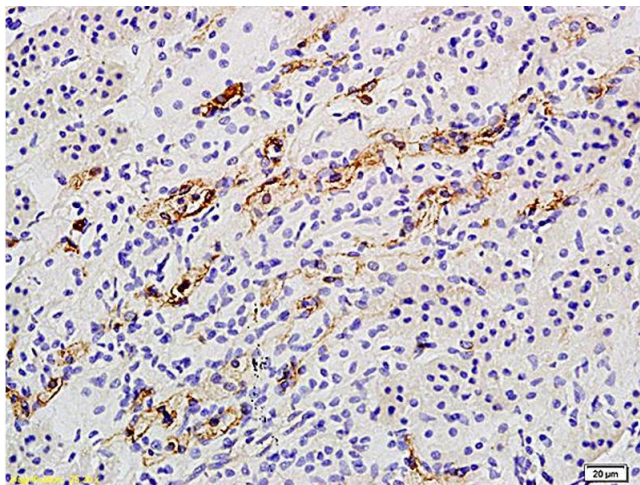
Yun, Gao, Yue, Guo, Li, Sang: "Sulfate Aerosols Promote Lung Cancer Metastasis by Epigenetically Regulating the Epithelial-to-Mesenchymal Transition (EMT)." in: **Environmental science & technology**, Vol. 51, Issue 19, pp. 11401-11411, (2018) ([PubMed](#)).

Images



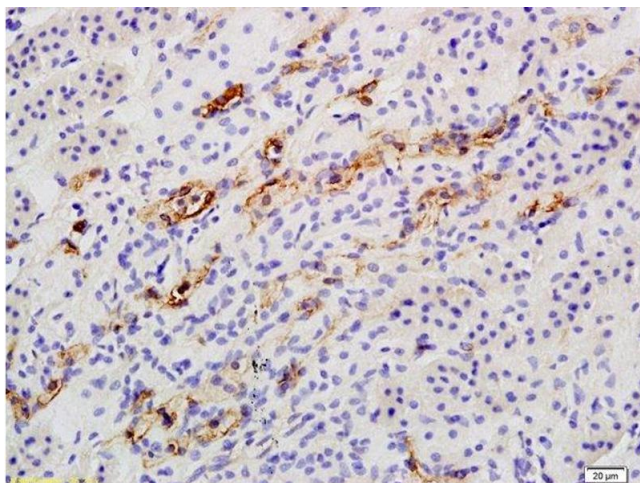
SDS-PAGE

Image 1. L1 rat kidney lysates L2 rat brain lysates probed with Anti Catalase Polyclonal Antibody, Unconjugated (ABIN872991) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 58kD. Observed band size: 58kD



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat kidney labeled with Anti Catalase Polyclonal Antibody, Unconjugated (ABIN872991) followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded rat kidney labeled with Anti Catalase Polyclonal Antibody, Unconjugated followed by conjugation to the secondary antibody and DAB staining

Images

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN872991.