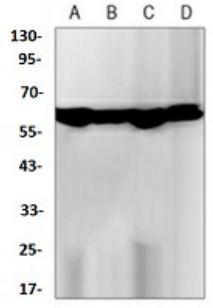
RecomAb™

CAT recombinant monoclonal antibody

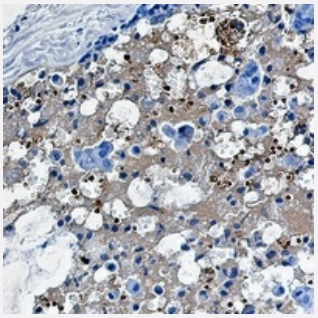
Catalog # RAB02479 Size 100 uL

Applications



Western Blot

Western blot analysis of mouse heart (A), rat heart (B), K562 (C), Hela (D) whole cell lysates with Catalase recombinant monoclonal antibody (Cat # RAB02479).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human breast carcinoma formalin fixed paraffin embedded tissue section using Catalase recombinant monoclonal antibody (Cat # RAB02479). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.8). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CAT.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human Catalase.
Theoretical MW (kDa)	60
Reactivity	Human, Mouse, Rat

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Specificity	Recognizes endogenous levels of Catalase protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

  Western blot analysis of mouse heart (A), rat heart (B), K562 (C), Hela (D) whole cell lysates with Catalase recombinant monoclonal antibody (Cat # RAB02479).

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  Immunohistochemical analysis of human breast carcinoma formalin fixed paraffin embedded tissue section using Catalase recombinant monoclonal antibody (Cat # RAB02479). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.8). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Gene Info — CAT

Entrez GeneID	847
Protein Accession#	P04040
Gene Name	CAT
Gene Alias	MGC138422, MGC138424
Gene Description	catalase

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Omim ID	115500
Gene Ontology	Hyperlink
Other Designations	-

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Metabolic pathways
- Methane metabolism
- Tryptophan metabolism

Disease

- Absenteeism
- Acute Disease
- Albuminuria
- Alcoholism
- Alzheimer disease
- Arsenic Poisoning
- Arthritis
- Asbestosis
- Asthma
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiomyopathies
- Cardiovascular Diseases

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- Chronic Disease
- Cognition
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Delayed Graft Function
- Depressive Disorder
- Diabetes
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Diabetic Neuropathies
- Diabetic Retinopathy
- Disease Models
- Disease Susceptibility
- DNA Damage
- Dyslipidemias
- Edema
- Gastritis
- Genetic Predisposition to Disease
- Glucose Intolerance
- Head and Neck Neoplasms
- Hearing Loss
- Helicobacter Infections
- Hypertension

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- Inflammation
- Insulin Resistance
- Intestinal Neoplasms
- Keratosis
- Kidney Diseases
- Kidney Failure
- Liver Cirrhosis
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoma
- Macular Degeneration
- Malnutrition
- Melanoma
- Metaplasia
- Mouth Neoplasms
- Neoplasms
- Obesity
- Occupational Diseases
- Osteonecrosis
- Osteoporosis
- Pancreatic Neoplasms
- Pancreatitis
- Poisoning
- Precancerous Conditions
- Pregnancy Complications

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- Prostate cancer
- Prostatic Neoplasms
- Pseudoxanthoma Elasticum
- Psychiatric Status Rating Scales
- Pulmonary Disease
- Recurrence
- Respiratory Tract Diseases
- Skin Neoplasms
- Stomach Neoplasms
- Substance-Related Disorders
- Sunburn
- Urinary Bladder Neoplasms
- Vitiligo
- Werner syndrome

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