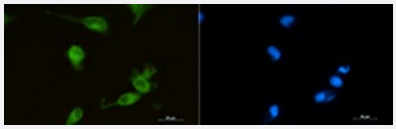
RecomAb™

HMOX1 recombinant monoclonal antibody, clone R03-8A2

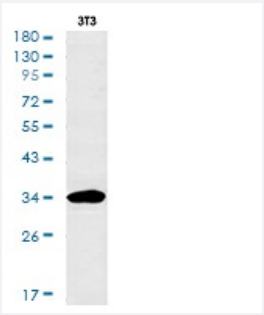
Catalog # RAB01258 Size

Applications



Immunocytochemistry

Immunocytochemistry analysis of Heme Oxygenase 1 (green) in U87-MG using Heme Oxygenase 1 antibody,and DAPI(blue).



Western Blot

Western blot analysis of Heme Oxygenase 1 in 3T3 lysates using Heme Oxygenase 1 antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human HMOX1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human Heme Oxygenase 1 .
Theoretical MW (kDa)	Calculated MW: 33 kD
Reactivity	Human
Form	Liquid

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Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Immunocytochemistry

  Immunocytochemistry analysis of Heme Oxygenase 1 (green) in U87-MG using Heme Oxygenase 1 antibody,and DAPI(blue).
- Immunoprecipitation
- Western Blot

  Western blot analysis of Heme Oxygenase 1 in 3T3 lysates using Heme Oxygenase 1 antibody.

Gene Info — HMOX1

Entrez GeneID	3162
Protein Accession#	P09601
Gene Name	HMOX1
Gene Alias	HO-1, HSP32, bK286B10
Gene Description	heme oxygenase (decycling) 1

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Omim ID	141250
Gene Ontology	Hyperlink
Gene Summary	Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family. [provided by RefSeq
Other Designations	OTTHUMP00000028925|heme oxygenase (decyclizing) 1

Pathway

- Porphyrin and chlorophyll metabolism

Disease

- Abortion
- Adenocarcinoma
- Airway Remodeling
- alpha 1-Antitrypsin Deficiency
- Alpha-1-antitrypsin deficiency
- Alzheimer disease
- Aortic Aneurysm
- Arterial Occlusive Diseases
- Arteriosclerosis
- Arthritis
- Asthma
- Atherosclerosis
- Brain Diseases
- Breast cancer

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- Breast Neoplasms
- Cadaver
- Carcinoma
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cerebrovascular Accident
- Chronic Disease
- Cognition
- Colitis
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Crohn Disease
- Delayed Graft Function
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Disease Progression
- Disease Susceptibility
- Dyslipidemias
- Edema
- Esophageal Neoplasms
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease

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- Glomerulonephritis
- Hemochromatosis
- Hereditary hemochromatosis
- Hypertension
- Inflammation
- Inflammatory Bowel Diseases
- Intracranial Aneurysm
- Iron Metabolism Disorders
- Jaundice
- Kidney Diseases
- Kidney Failure
- Liver Cirrhosis
- Lung Diseases
- Lung Neoplasms
- Lymphatic Metastasis
- Malaria
- Malignant melanoma
- Melanoma
- Metabolic Syndrome X
- Microsatellite Instability
- Mouth Neoplasms
- Mucocutaneous Lymph Node Syndrome
- Myocardial Infarction
- Myocardial Ischemia
- Neoplasm Invasiveness
- Neoplasms

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- Obesity
- Osteoporosis
- Parkinson disease
- Peripheral Vascular Diseases
- Pneumonia
- Polycystic kidney disease
- Polycystic Kidney Diseases
- Postoperative Complications
- Pulmonary Disease
- Pulmonary Emphysema
- Recurrence
- Renal Insufficiency
- Respiratory Distress Syndrome
- Severe Acute Respiratory Syndrome
- Skin Neoplasms
- Stomach Neoplasms
- Stroke
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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