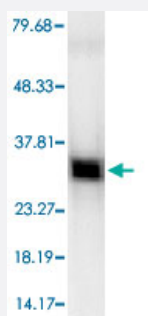


HMOX1 monoclonal antibody, clone 1F12-A6

Catalog # MAB6628

Size 100 ug

Applications



Western Blot (Recombinant protein)

Western blot analysis from recombinant HMOX1 protein with HMOX1 monoclonal antibody, clone 1F12-A6 (Cat # MAB6628).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of HMOX1.
Immunogen	A synthetic peptide corresponding to amino acids 1-30 of human HMOX1.
Host	Mouse
Reactivity	Bovine, Human, Mouse
Specificity	Detects a 32KDa protein, corresponding to the molecular mass of HO-1 on SDS Page immunoblots. Does not cross-react with HO-2
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Recombinant protein)

Western blot analysis from recombinant HMOX1 protein with HMOX1 monoclonal antibody, clone 1F12-A6 (Cat # MAB6628).

- Immunohistochemistry

- Immunocytochemistry

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HMOX1

Entrez GeneID	3162
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Gene Name	HMOX1
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Gene Alias	HO-1, HSP32, bK286B10
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Gene Description	heme oxygenase (decycling) 1
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Omim ID	141250
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Gene Ontology	Hyperlink
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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]
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Other Designations	OTTHUMP00000028925 heme oxygenase (decyclizing) 1
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Publication Reference

- [Reduced expression of heme oxygenase-1 in patients with coronary atherosclerosis.](#)

Brydun A, Watari Y, Yamamoto Y, Okuhara K, Teragawa H, Kono F, Chayama K, Oshima T, Ozono R.

Hypertension Research 2007 Apr; 30(4):341.

Application: WB-Ce, Human, Human PBMCs

- [Absence of heme oxygenase-1 exacerbates atherosclerotic lesion formation and vascular remodeling.](#)

Yet SF, Layne MD, Liu X, Chen YH, Ith B, Sibinga NE, Perrella MA.

FASEB Journal 2003 Sep; 17(12):1759.

- [Oxidative stress causes enhanced endothelial cell injury in human heme oxygenase-1 deficiency.](#)

Yachie A, Niida Y, Wada T, Igarashi N, Kaneda H, Toma T, Ohta K, Kasahara Y, Koizumi S.

The Journal of Clinical Investigation 1999 Jan; 103(1):129.

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](#)
- [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](#)
- [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](#)
- [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](#)