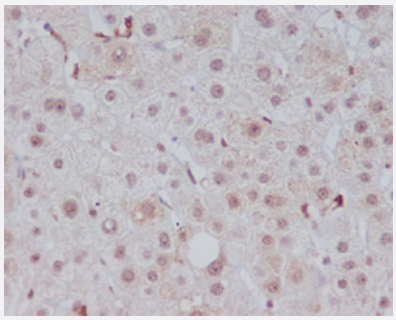
HMOX1 monoclonal antibody, clone AEG-8

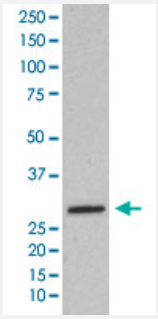
Catalog # MAB20134 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with HMOX1 monoclonal antibody, clone AEG-8 (Cat # MAB20134).



Western Blot (Tissue lysate)

Western Blot analysis of mouse spleen tissue lysate with HMOX1 monoclonal antibody, clone AEG-8 (Cat # MAB20134).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human HMOX1.
Immunogen	A synthetic peptide corresponding to human HMOX1.
Host	Rabbit
Theoretical MW (kDa)	32.819
Reactivity	Human
Form	Liquid
Purification	Affinity purification

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Isotype	IgG
Recommend Usage	Flow Cytometry (1:50) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. 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

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with HMOX1 monoclonal antibody, clone AEG-8 (Cat # MAB20134).

- Flow Cytometry

- Immunoprecipitation

- Western Blot (Tissue lysate)

  Western Blot analysis of mouse spleen tissue lysate with HMOX1 monoclonal antibody, clone AEG-8 (Cat # MAB20134).

Gene Info — HMOX1

Entrez GeneID	3162
Protein Accession#	P09601
Gene Name	HMOX1
Gene Alias	HO-1, HSP32, bK286B10
Gene Description	heme oxygenase (decycling) 1
Omim ID	141250
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
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
- Breast Neoplasms
- Cadaver

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- 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

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- 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

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- 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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