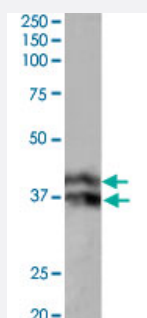


HP polyclonal antibody

Catalog # PAB24591

Size 100 ug

Applications



Western Blot (Tissue lysate)

HP polyclonal antibody (Cat # PAB24591) (0.1 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of HP.
Immunogen	A synthetic peptide corresponding to internal region of human HP.
Sequence	C-STVPEKKTPKSP
Host	Goat
Theoretical MW (kDa)	37, 40
Reactivity	Human
Specificity	This antibody is expected to recognize both reported isoforms (NP_005134.1; NP_001119574.1).
Form	Liquid
Purification	Antigen affinity purification
Recommend Usage	ELISA (1:8000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

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 (Tissue lysate)

HP polyclonal antibody (Cat # PAB24591) (0.1 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HP

Entrez GeneID[3240](#)**Protein Accession#**[NP_005134.1;NP_001119574.1](#)**Gene Name**

HP

Gene Alias

BP, HP2-ALPHA-2, HPA1S, MGC111141

Gene Description

haptoglobin

Omim ID[140100](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a preproprotein, which is processed to yield both alpha and beta chains, which subsequently combine as a tetramer to produce haptoglobin. Haptoglobin functions to bind free plasma hemoglobin, which allows degradative enzymes to gain access to the hemoglobin, while at the same time preventing loss of iron through the kidneys and protecting the kidneys from damage by hemoglobin. Mutations in this gene and/or its regulatory regions cause ahaptoglobinemia or hypohaptoglobinemia. This gene has also been linked to diabetic nephropathy, the incidence of coronary artery disease in type 1 diabetes, Crohn's disease, inflammatory disease behavior, primary sclerosing cholangitis, susceptibility to idiopathic Parkinson's disease, and a reduced incidence of Plasmodium falciparum malaria. A similar duplicated gene is located next to this gene on chromosome 16. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

binding peptide|haptoglobin alpha(1S)-beta|haptoglobin alpha(2FS)-beta|haptoglobin, alpha polypeptide|haptoglobin, beta polypeptide

Disease

- [Abortion](#)
- [Albuminuria](#)
- [alpha-Thalassemia](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Ascorbic Acid Deficiency](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Celiac Disease](#)
- [Chagas Cardiomyopathy](#)
- [Chagas Disease](#)
- [Cholangitis](#)
- [Colitis](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
- [Crohn Disease](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Edema](#)
- [Epilepsy](#)
- [Fatty Liver](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Lymphoma](#)
- [Malaria](#)
- [Metabolic Syndrome X](#)

- [Myocardial Infarction](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Parasitemia](#)
- [Parkinson disease](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Proteinuria](#)
- [Schizophrenia](#)
- [Seizures](#)
- [Sickle Cell Trait](#)
- [Sleep Apnea](#)
- [Stroke](#)
- [Thalassemia](#)
- [Trachoma](#)
- [Uterine Cervical Neoplasms](#)