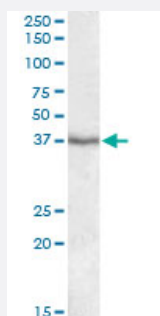


PON1 polyclonal antibody

Catalog # PAB12817 Size 100 ug

Applications



Western Blot (Tissue lysate)

PON1 polyclonal antibody (Cat # PAB12817) (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 PON1.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human PON1.
Sequence	C-EEP KVTQVYAEN
Host	Goat
Theoretical MW (kDa)	39.7
Reactivity	Human
Specificity	37 KDa band observed in human Liver lysates (calculated MW of 39.7 KDa according to NP_000437.3).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:2000) Western blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% 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 (Tissue lysate)

PON1 polyclonal antibody (Cat # PAB12817) (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 — PON1

Entrez GeneID	5444
Protein Accession#	NP_000437.3
Gene Name	PON1
Gene Alias	ESA, PON
Gene Description	paraoxonase 1
Omim ID	168820
Gene Ontology	Hyperlink
Gene Summary	The enzyme encoded by this gene is an arylesterase that mainly hydrolyzes paroxon to produce p-nitrophenol. Paroxon is an organophosphorus anticholinesterase compound that is produced in vivo by oxidation of the insecticide parathion. Polymorphisms in this gene are a risk factor in coronary artery disease. The gene is found in a cluster of three related paraoxonase genes at 7q21.3. [provided by RefSeq]
Other Designations	arylesterase B-type esterase A paraoxonase B-type serum arylalkylphosphatase

Publication Reference

- [Relationship of paraoxonase 1 \(PON1\) gene polymorphisms and functional activity with systemic oxidative stress and cardiovascular risk.](#)

Bhattacharyya T, Nicholls SJ, Topol EJ, Zhang R, Yang X, Schmitt D, Fu X, Shao M, Brennan DM, Ellis SG, Brennan ML, Allayee H, Lusis AJ, Hazen SL.

JAMA 2008 Mar; 299(11):1265.

Pathway

- [Bisphenol A degradation](#)
- [gamma-Hexachlorocyclohexane degradation](#)
- [Metabolic pathways](#)

Disease

- [Adenocarcinoma](#)
- [Adrenal hyperplasia](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Angina Pectoris](#)
- [Aortic Aneurysm](#)
- [Arsenic Poisoning](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Asthma](#)
- [Astrocytoma](#)

- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Brain Diseases](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Diseases](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)

- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Vasospasm](#)
- [Death](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Environmental Illness](#)
- [Esophageal Neoplasms](#)
- [Essential Tremor](#)
- [Femur Head Necrosis](#)
- [Fetal Diseases](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)

- [Glaucoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Glomerulosclerosis](#)
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- [Hearing Loss](#)
- [Heart Diseases](#)
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- [Hepatitis C](#)
- [HIV Infections](#)
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- [Hypercholesterolemia](#)
- [Hyperemia](#)
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- [Hyperhomocysteinemia](#)
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- [Hyperlipoproteinemia Type II](#)
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- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Hypoxia-Ischemia](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Insulin Resistance](#)

- [Intracranial Arteriosclerosis](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Liver Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
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- [Microvascular Angina](#)
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- [Multiple Chemical Sensitivity](#)
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- [Myocardial Infarction](#)
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- [Neoplasms](#)
- [Nephritis](#)
- [Nephrotic Syndrome](#)
- [Neuroectodermal Tumors](#)

- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
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- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pain](#)
- [Pancreatitis](#)
- [Parkinson disease](#)
- [Polycystic Ovary Syndrome](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prenatal Exposure Delayed Effects](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Proteinuria](#)
- [Psychomotor Performance](#)
- [Purpura](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Skin Diseases](#)
- [Stroke](#)
- [Substance-Related Disorders](#)

- [Syndrome](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Uremia](#)
- [Urinary Bladder Neoplasms](#)
- [Vascular Diseases](#)
- [Virilism](#)
- [Vision](#)
- [Werner syndrome](#)
- [Wet Macular Degeneration](#)