

RecomAb™

PON2 recombinant monoclonal antibody, clone R03-4U5

Catalog # RAB05216 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PON2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human PON2
Theoretical MW (kDa)	Calculated MW: 39 kD
Reactivity	Human
Form	Liquid
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)(1/50-1/100) Immunoprecipitation (1/20) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunoprecipitation

Gene Info — PON2

Entrez GeneID [5445](#)

Gene Name PON2

Gene Alias -

Gene Description paraoxonase 2

Omim ID [602447](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the paraoxonase gene family, which includes three known members located adjacent to each other on the long arm of chromosome 7. The encoded protein is ubiquitously expressed in human tissues, membrane-bound, and may act as a cellular antioxidant, protecting cells from oxidative stress. Hydrolytic activity against acylhomoserine lactones, important bacterial quorum-sensing mediators, suggests the encoded protein may also play a role in defense responses to pathogenic bacteria. Mutations in this gene may be associated with vascular disease and a number of quantitative phenotypes related to diabetes. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]

Other Designations A-esterase 2|aromatic esterase 2|paraoxonase nirs|serum arylalkylphosphatase 2|serum paraoxonase/arylesterase 2

Pathway

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

Disease

- [Albuminuria](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Aortic Aneurysm](#)

- [Arsenic Poisoning](#)
- [Arteriosclerosis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Body Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Diseases](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)

- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [Hyperhomocysteinemia](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Intracranial Arteriosclerosis](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Liver Diseases](#)
- [Metabolic Syndrome X](#)
- [Multiple Chemical Sensitivity](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)

- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Recurrence](#)
- [Skin Diseases](#)
- [Stroke](#)
- [Syndrome](#)
- [Werner syndrome](#)