NAT1 polyclonal antibody

Catalog # PAB15649 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised aganist synthetic peptide of NAT1.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human NAT1.
Sequence	C-HSDLLEDSKYRKIY
Host	Goat
Theoretical MW (kDa)	33.9
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) 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 shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NAT1

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Entrez GeneID	9
Protein Accession#	NP_000653.3
Gene Name	NAT1
Gene Alias	AAC1, NATI
Gene Description	N-acetyltransferase 1 (arylamine N-acetyltransferase)
Omim ID	108345
Gene Ontology	Hyperlink
Gene Summary	This gene is one of two arylamine N-acetyltransferase (NAT) genes in the human geneome, and i s orthologous to the mouse and rat Nat2 genes. The enzyme encoded by this gene catalyzes the t ransfer of an acetyl group from acetyl-CoA to various arylamine and hydrazine substrates. This en zyme helps metabolize drugs and other xenobiotics, and functions in folate catabolism. Multiple tr anscript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	N-acetyltransferase 1|OTTHUMP00000122488|arylamide acetylase 1 (N-acetyltransferase 1)|aryl amine N-acetyltransferase 1

Publication Reference

- Expression of arylamine N-acetyltransferases in pre-term placentas and in human pre-implantation embryos.

  Smelt VA, Upton A, Adjaye J, Payton MA, Boukouvala S, Johnson N, Mardon HJ, Sim E.

  Human Molecular Genetics 2000 Apr; 9(7):1101.

Pathway

- Caffeine metabolism
- Drug metabolism - other enzymes
- Metabolic pathways

Disease

- Abnormalities
- Adenocarcinoma

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- Adenoma
- Alcoholism
- Alzheimer disease
- Amnesia
- Asthma
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cholangiocarcinoma
- Chromosome Aberrations
- Cleft Lip
- Cleft Palate
- Clubfoot
- Cognition Disorders
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Congenital Abnormalities
- Connective Tissue Diseases
- Crohn Disease
- Dermatitis
- Diabetes Mellitus
- Disease Susceptibility

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- DNA Damage
- Edema
- Endometriosis
- Esophageal Neoplasms
- Eye Diseases
- Fetal Diseases
- Genetic Predisposition to Disease
- Genomic Instability
- Head and Neck Neoplasms
- Hepatitis B
- Hepatitis C
- Hypersensitivity
- Infection
- Inflammation
- Jaw Abnormalities
- Kidney Failure
- Laryngeal Neoplasms
- Leukemia
- Limb Deformities
- Liver Neoplasms
- Lung carcinoma
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoma
- Mesothelioma
- Micronuclei

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- Motor Neuron Disease
- Multiple Chemical Sensitivity
- Multiple Myeloma
- Musculoskeletal Diseases
- Neoplasm Recurrence
- Neoplasms
- Neuroblastoma
- Neuropsychological Tests
- Ovarian cancer
- Pancreatic cancer
- Pancreatic Neoplasms
- Pleural Neoplasms
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Pulmonary Disease
- Rectal Neoplasms
- Respiratory Tract Diseases
- Skin Diseases
- Spinal Dysraphism
- Stomach Neoplasms
- Urinary Bladder Neoplasms

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