NAT1 rabbit monoclonal antibody

Catalog # H00000009-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human NAT1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human NAT1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human NAT1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- ELISA

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- Western Blot (Transfected lysate)

  Protocol Download

Gene Info — NAT1

Entrez GeneID	9
GeneBank Accession#	NAT1
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

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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