

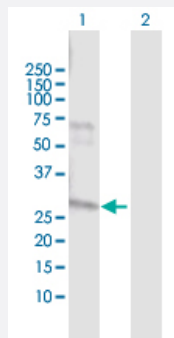
MaxPab®

# NAT2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000010-D01

Size 100 uL

## Applications

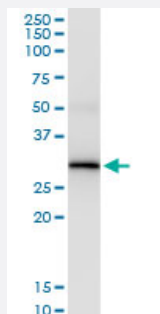


### Western Blot (Transfected lysate)

Western Blot analysis of NAT2 expression in transfected 293T cell line ([H00000010-T01](#)) by NAT2 MaxPab polyclonal antibody.

Lane 1: NAT2 transfected lysate(33.50 KDa).

Lane 2: Non-transfected lysate.



### Immunoprecipitation

Immunoprecipitation of NAT2 transfected lysate using anti-NAT2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with NAT2 purified MaxPab mouse polyclonal antibody (B01P) ([H00000010-B01P](#)).

## Specification

### Product Description

Rabbit polyclonal antibody raised against a full-length human NAT2 protein.

### Immunogen

NAT2 (AAH15878.1, 1 a.a. ~ 290 a.a) full-length human protein.

### Sequence

MDIEAYFERIGYKNSRNKLDLETLDILEHQIRAVPFENLNMHCGQAMELGLEAIFDHVRRNRGGW  
CLQVNQLLYWALTITGFQTTMLGGYFYIPPVNKYSTGMVHLLQVTIDGRNYVDAGSGSSSQMWQ  
PLELISGKDQPQVPCIFCLTEERGMYLDQIRREQYITNKEFLNSHLLPKKKHQKMLFTLEPQTIEDF  
ESMNTYLQTSPTSSFITTSFCSLQTPEGVYCLVGFIITYRKFNKYDNTDLVEFKLTTEEEVEEVLKNI  
FKISLGRNLVPKPGDGSLLTI

### Host

Rabbit

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Reactivity                    | Human                                                                    |
| Interspecies Antigen Sequence | Mouse (72); Rat (74)                                                     |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer                | No additive                                                              |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

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[Protocol Download](#)

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[Protocol Download](#)

## Gene Info — NAT2

|                     |                                                       |
|---------------------|-------------------------------------------------------|
| Entrez GeneID       | <a href="#">10</a>                                    |
| GeneBank Accession# | <a href="#">BC015878.1</a>                            |
| Protein Accession#  | <a href="#">AAH15878.1</a>                            |
| Gene Name           | NAT2                                                  |
| Gene Alias          | AAC2, PNAT                                            |
| Gene Description    | N-acetyltransferase 2 (arylamine N-acetyltransferase) |
| Omim ID             | <a href="#">243400</a>                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                             |

**Gene Summary**

This gene encodes an enzyme that functions to both activate and deactivate arylamine and hydrazine drugs and carcinogens. Polymorphisms in this gene are responsible for the N-acetylation polymorphism in which human populations segregate into rapid, intermediate, and slow acetylator phenotypes. Polymorphisms in this gene are also associated with higher incidences of cancer and drug toxicity. A second arylamine N-acetyltransferase gene (NAT1) is located near this gene (NAT2). [provided by RefSeq]

**Other Designations**

N-acetyltransferase 2|arylamide acetylase 2|arylamine N-acetyltransferase 2

## Pathway

- [Caffeine metabolism](#)
- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)

## Disease

- [Abnormalities](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Aneuploidy](#)
- [Arthritis](#)
- [Asthma](#)
- [Astrocytoma](#)
- [Atherosclerosis](#)
- [Behcet Syndrome](#)
- [Birth Weight](#)

- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cataract](#)
- [Cell Transformation](#)
- [Cholangiocarcinoma](#)
- [Chromosome Aberrations](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Clubfoot](#)
- [Cocarcinogenesis](#)
- [Colitis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Congenital Abnormalities](#)
- [Connective Tissue Diseases](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Dementia](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Drug Hypersensitivity](#)
- [Drug-Induced Liver Injury](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Fetal Diseases](#)
- [Food Hypersensitivity](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Head and Neck Neoplasms](#)
- [Hearing Disorders](#)
- [Hearing Loss](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Hypersensitivity](#)

- [Hypertension](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Jaw Abnormalities](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Leukoplakia](#)
- [Limb Deformities](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mesothelioma](#)
- [Microsatellite Instability](#)
- [Motor Neuron Disease](#)

- [Mouth Neoplasms](#)
- [Multiple Chemical Sensitivity](#)
- [Multiple Myeloma](#)
- [Musculoskeletal Diseases](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neural Tube Defects](#)
- [Neurodegenerative Diseases](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Oropharyngeal Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pancreatitis](#)
- [Papillomavirus Infections](#)
- [Parkinson disease](#)
- [Pharyngeal Neoplasms](#)
- [Pleural Neoplasms](#)
- [Pneumonia](#)
- [Polymyalgia Rheumatica](#)
- [Pregnancy Complications](#)

- [Premature Birth](#)
- [Presbycusis](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Rhinitis](#)
- [Schistosomiasis](#)
- [Scleroderma](#)
- [Sigmoid Neoplasms](#)
- [Skin Diseases](#)
- [Small Cell Lung Carcinoma](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Trisomy](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Neoplasms](#)
- [Uterine Cervical Neoplasms](#)