

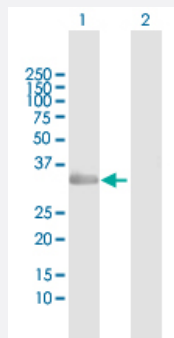
MaxPab®

# NAT1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000009-D01

Size 100 uL

## Applications

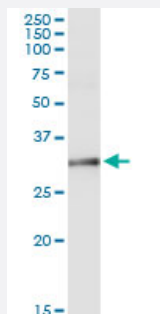


### Western Blot (Transfected lysate)

Western Blot analysis of NAT1 expression in transfected 293T cell line ([H00000009-T02](#)) by NAT1 MaxPab polyclonal antibody.

Lane 1: NAT1 transfected lysate(33.90 KDa).

Lane 2: Non-transfected lysate.



### Immunoprecipitation

Immunoprecipitation of NAT1 transfected lysate using anti-NAT1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with NAT1 purified MaxPab mouse polyclonal antibody (B01P) ([H00000009-B01P](#)).

## Specification

### Product Description

Rabbit polyclonal antibody raised against a full-length human NAT1 protein.

### Immunogen

NAT1 (NP\_000653.3, 1 a.a. ~ 290 a.a) full-length human protein.

### Sequence

MDIEAYLERIGYKSRNKLDLETLDILQHQIRAVPFENLNIHCGDAMDGLGLEAIFDQVVRNRGGW  
CLQVNHLLYWALTTIGFETTMLGGYVYSTPAKKYSTGMIHLLQVTIDGRNYVDAGFGRSYQMWQP  
LELISGKDQPVPCVFRLTEENGFWYLDQIRREQYIPNEEFLHSDLLEDISKYRKIYSFTLKPTIEDF  
ESMNTYLQTSPSSVFTSKSFCSLQTPDGVHCLVGFTLTHRRFNYKDNTDLIEFKTLSEEEIEKVLK  
NIFNISLQRKLVPKHGDRFFTI

### Host

Rabbit

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Reactivity                    | Human                                                                    |
| Interspecies Antigen Sequence | Mouse (82); Rat (81)                                                     |
| 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. |

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[Protocol Download](#)

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[Protocol Download](#)

## Gene Info — NAT1

|                     |                                                       |
|---------------------|-------------------------------------------------------|
| Entrez GeneID       | <a href="#">9</a>                                     |
| GeneBank Accession# | <a href="#">NM_000662.4</a>                           |
| Protein Accession#  | <a href="#">NP_000653.3</a>                           |
| Gene Name           | NAT1                                                  |
| Gene Alias          | AAC1, NATI                                            |
| Gene Description    | N-acetyltransferase 1 (arylamine N-acetyltransferase) |
| Omim ID             | <a href="#">108345</a>                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                             |

**Gene Summary**

This gene is one of two arylamine N-acetyltransferase (NAT) genes in the human genome, and is orthologous to the mouse and rat Nat2 genes. The enzyme encoded by this gene catalyzes the transfer of an acetyl group from acetyl-CoA to various arylamine and hydrazine substrates. This enzyme helps metabolize drugs and other xenobiotics, and functions in folate catabolism. Multiple transcript 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)|arylamine N-acetyltransferase 1

**Pathway**

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

**Disease**

- [Abnormalities](#)
- [Adenocarcinoma](#)
- [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](#)
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- [Colonic Polyps](#)
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- [Congenital Abnormalities](#)
- [Connective Tissue Diseases](#)
- [Crohn Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [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](#)
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- [Lung Neoplasms](#)
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- [Micronuclei](#)
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- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
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- [Respiratory Tract Diseases](#)
- [Skin Diseases](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)