

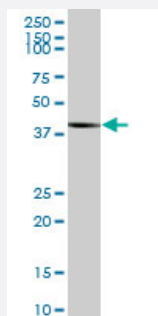
MaxPab®

## TRNT1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00051095-B01P

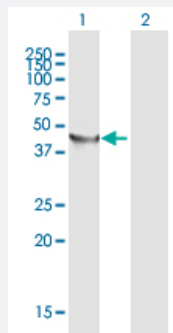
Size 50 ug

### Applications



#### Western Blot (Tissue lysate)

TRNT1 MaxPab polyclonal antibody. Western Blot analysis of TRNT1 expression in rat brain.



#### Western Blot (Transfected lysate)

Western Blot analysis of TRNT1 expression in transfected 293T cell line ([H00051095-T01](#)) by TRNT1 MaxPab polyclonal antibody.

Lane1:TRNT1 transfected lysate(44.55 kDa).

Lane2:Non-transfected lysate.

### Specification

#### Product Description

Mouse polyclonal antibody raised against a full-length human TRNT1 protein.

#### Immunogen

TRNT1 (NP\_057084.1, 1 a.a. ~ 405 a.a) full-length human protein.

#### Sequence

MKLQSPEFQSLFTEGLKSLTELFVKENHELRIAGGAVRDLLNGVKPQDIDFATTATPTQMKEMFQ  
SAGIRMINNRGEKHTITARLHEENFEITTLRIDVTDDGRHAEVEFTTDWQKDAERRDLTINSMFLGF  
DGTLFDFYFNGYEDLKNKKVRFVGHAKQRIQEDYLRILRYFRFYGRIVDKPGDHPETLEAIAENAKG  
LAGISGERMVVELKKILVGNHVNHLIHLMDLDVAPYIGLPANASLEEFDKVSKNVDGFSPPKPVTLA  
SLFKVQDDVTCLDLRLKIAKEEKNLGLFVKNRDKLIKATDSSDPLKPYQDFIDSREPDATTRVCEL  
LKYQGEHCLLKEMQQWSIPFPVSGHDIRKVGISGKEIGALLQQLREQWKKSGYQMEKDELLSYI  
KKT

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Host                          | Mouse                                                                    |
| Reactivity                    | Human, Rat                                                               |
| Interspecies Antigen Sequence | Mouse (94)                                                               |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer                | In 1x PBS, pH 7.4                                                        |
| 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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## Gene Info — TRNT1

|                     |                                             |
|---------------------|---------------------------------------------|
| Entrez GeneID       | <a href="#">51095</a>                       |
| GeneBank Accession# | <a href="#">NM_016000.2</a>                 |
| Protein Accession#  | <a href="#">NP_057084.1</a>                 |
| Gene Name           | TRNT1                                       |
| Gene Alias          | CCA1, CGI-47, MtCCA                         |
| Gene Description    | tRNA nucleotidyl transferase, CCA-adding, 1 |
| Gene Ontology       | <a href="#">Hyperlink</a>                   |

**Gene Summary**

The CCA-adding enzyme TRNT1 (EC 2.7.7.25) is an essential enzyme that catalyzes the addition of the CCA terminus to the 3-prime end of tRNA precursors. This reaction is a fundamental prerequisite for mature tRNAs to become aminoacylated and to participate in protein biosynthesis (Lizano et al., 2007 [PubMed 17204286]).[supplied by OMIM]

**Other Designations**

mitochondrial CCA-adding tRNA-nucleotidyltransferase