# ATE1 rabbit monoclonal antibody

Catalog # H00011101-K Size 100 ug x up to 3

## Specification

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| **Product Description** | Rabbit monoclonal antibody raised against a human ATE1 peptide using ARM Technology. |
| **Immunogen** | A synthetic peptide of human ATE1 is used for rabbit immunization.<br>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 ATE1 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.<br>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

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

## Gene Info — ATE1

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| **Entrez GeneID** | 11101 |
| **GeneBank Accession#** | ATE1 |
| **Gene Name** | ATE1 |
| **Gene Alias** | MGC26724 |
| **Gene Description** | arginyltransferase 1 |
| **Omim ID** | 607103 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes an arginyltransferase, an enzyme that is involved in posttranslational conjugation of arginine to N-terminal aspartate or glutamate residues. Conjugation of arginine to the N-terminal aspartate or glutamate targets proteins for ubiquitin-dependent degradation. Alternative splicing results in two transcript variants encoding distinct isoforms. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000020637\|OTTHUMP00000058665\|R-transferase 1\|arginine-tRNA--protein transferase 1\|arginyl-tRNA-protein transferase |

## Disease

- Alzheimer Disease
- Genetic Predisposition to Disease
- Tobacco Use Disorder