



ATE1 Polyclonal Antibody

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| Catalog No | YP-Ab-05332 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | WB;ELISA |
| Gene Name | ATE1 |
| Protein Name | Arginyl-tRNA--protein transferase 1 (Arginyltransferase 1) (R-transferase 1) (EC 2.3.2.8) (Arginine-tRNA--protein transferase 1) |
| Immunogen | Synthesized peptide derived from human protein . at AA range: 400-480 |
| Specificity | ATE1 Polyclonal Antibody detects endogenous levels of protein. |
| Formulation | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 ELISA 1:5000-20000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | |
| Observed Band | 56kD |
| Cell Pathway | [Isoform ATE1-1]: Nucleus . Cytoplasm .; [Isoform ATE1-2]: Cytoplasm . |
| Tissue Specificity | Embryonic kidney,Testis, |
| Function | catalytic activity:L-arginyl-tRNA + protein = tRNA + L-arginyl-protein.,caution:It is uncertain whether Met-1 or Met-37 is the initiator.,function:Involved in the post-translational conjugation of arginine to the N-terminal aspartate or glutamate of a protein. This arginylation is required for degradation of the protein via the ubiquitin pathway. Does not arginylate cysteine residues.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the R-transferase family.,subunit:Monomer ., |
| Background | 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 multiple transcript variants. [provided by RefSeq, Dec 2013], |
| matters needing attention | Avoid repeated freezing and thawing! |

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images