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Rabbit Anti-ATE1 antibody

SL7973R

Product Name:	ATE1
Chinese Name:	精氨酸tRNA的蛋白转移酶1抗体
Alias:	Arginine tRNA protein transferase 1; Arginyl-tRNA--protein transferase 1; Arginyl-tRNA-protein transferase; Arginyltransferase 1; R transferase 1; EC 2.3.2.8; AI225793; ATE1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	59kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ATE1:71-150/518
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	ATE1, also known as arginyltransferase 1, is an enzyme that is 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. There are two named isoforms.

Function:
Involved in the post-translational conjugation ofarginine to the N-terminal aspartate or glutamate of a protein.This arginylation is required for degradation of the protein viathe ubiquitin pathway. Does not arginylate cysteine residues (Bysimilarity).

Subunit:
Monomer (Potential).

Subcellular Location:
Isoform ATE1-1: Nucleus (By similarity).Cytoplasm (By similarity).
Isoform ATE1-2: Cytoplasm (By similarity).

Post-translational modifications:
Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:
Belongs to the R-transferase family.

SWISS:
O95260

Gene ID:
11101

Database links:

Entrez Gene: 11101Human

Entrez Gene: 11907Mouse

Entrez Gene: 293526Rat

Omim: 607103Human

SwissProt: O95260Human

SwissProt: Q9Z2A5Mouse

Unigene: 632080Human

Unigene: 216321Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.