ATE1 Monoclonal Antibody

Catalog No	YP-mAb-05332
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
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 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
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.

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