

ATE1 Recombinant Rabbit mAb

Catalog # AP100054

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O95260
Other Accession	O95260
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	59090
Physical State	Liquid
Immunogen	A synthesized peptide derived from human Arginyltransferase 1
Epitope Specificity	3-58
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the R-transferase family.
SUBUNIT	Monomer (Potential).
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	11101
Other Names	ATE1_HUMAN; ATE1; Arginyltransferase 1; R-transferase 1; Arginine-tRNA--protein transferase 1; 2.3.2.8; ATE1_MOUSE
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	ATE1 {ECO:0000303 PubMed:34893540, ECO:0000312 HGNC:HGNC:782}
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Function	Involved in the post-translational conjugation of arginine to the N-terminal aspartate or glutamate of a protein (PubMed: 34893540). This arginylation is required for degradation of the protein via the ubiquitin pathway (PubMed: 34893540). Does not arginylate cysteine residues (By similarity).
Cellular Location	Nucleus. Cytoplasm

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.