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# Datasheet for ABIN2783480 anti-ATE1 antibody (Middle Region)

3 Images



#### Overview

Quantity:	100 μL
Target:	ATE1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATE1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ATE1	
Sequence:	TYVWVPIEQC LPSLENSKYC RFNQDPEAVD EDRSTEPDRL QVFHKRAIMP	
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 86%, Rabbit: 93%, Rat: 93%	
Characteristics:	This is a rabbit polyclonal antibody against ATE1. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	
Target Details		
Target:	ATE1	

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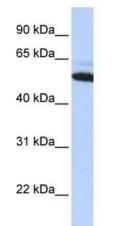
Target Details		
Alternative Name:	ATE1 (ATE1 Products)	
Background:	<ul> <li>ATE1 is an arginyltransferase, an enzyme that is involved in posttranslational conjugation of arginine to N-terminal aspartate or glutamate residues. Conjugation of arginine to the N-terminal aspartate or glutamate targets proteins for ubiquitin-dependent degradation.</li> <li>Alternative splicing results in two transcript variants encoding distinct isoforms. 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 residues. Conjugation of arginine to the N-terminal aspartate or glutamate residues. Conjugation of arginine to the N-terminal aspartate or glutamate targets proteins for ubiquitin-dependent degradation.</li> <li>Alternative splicing results in two transcript variants encoding distinct isoforms.</li> <li>Alternative splicing results in two transcript variants encoding distinct isoforms.</li> <li>Alternative splicing results in two transcript variants encoding distinct isoforms.</li> <li>Alias Symbols: MGC26724</li> <li>Protein Interaction Partner: EHD1, SUV39H1, UBC, RAE1,</li> <li>Protein Size: 518</li> </ul>	
Molecular Weight:	59 kDa	
Gene ID:	11101	
NCBI Accession:	NM_007041, NP_008972	
UniProt:	095260	
Pathways:	SARS-CoV-2 Protein Interactome	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 518 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

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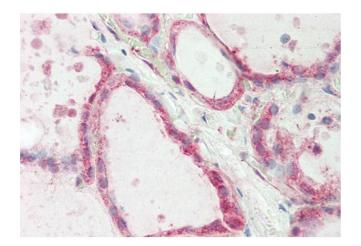
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Images



#### Western Blotting

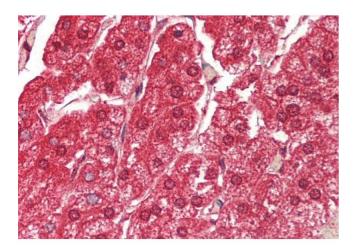
**Image 1.** WB Suggested Anti-ATE1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate



### Immunohistochemistry

**Image 2.** Rabbit Anti-ATE1 antibody Formalin Fixed Paraffin Embedded Tissue: Human Thyroid Primary antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20x Exposure Time: 0.5-2.0sec

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#### Immunohistochemistry

**Image 3.** Rabbit Anti-ATE1 antibody Formalin Fixed Paraffin Embedded Tissue: Human Adrenal Primary antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20x Exposure Time: 0.5-2.0sec

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