

**Product Name: ABCE1 (4P16) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe06419**

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## Summary

<b>Production Name</b>	ABCE1 (4P16) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	ABCE1
<b>Alternative Names</b>	ABC38; ABCE1; HuHP68; OABP; RLI; RNASEL1; RNASELI; RNS4I;
<b>Gene ID</b>	6059.0
<b>SwissProt ID</b>	P61221.A synthetic peptide of human ABCE1

## Application

<b>Dilution Ratio</b>	WB: 1:1000-1:5000
<b>Molecular Weight</b>	67kDa

## Background

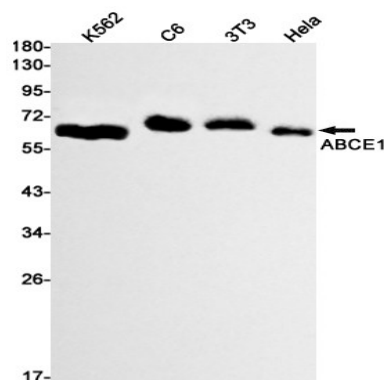
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Antagonizes the binding of 2-5A (5'-phosphorylated 2',5'-linked oligoadenylates) by RNase L through direct interaction with RNase L and therefore inhibits its endoribonuclease activity. Cotranslational quality control factor involved in the No-Go Decay (NGD) pathway (PubMed:<a href="http://www.uniprot.org/citations/21448132" target="\_blank">21448132</a>). Together with PELO and HBS1L, is required for 48S complex formation from 80S ribosomes and dissociation of vacant 80S ribosomes (PubMed:<a href="http://www.uniprot.org/citations/21448132" target="\_blank">21448132</a>). Together with PELO and HBS1L, recognizes stalled ribosomes and promotes dissociation of elongation complexes assembled on non-stop mRNAs; this triggers endonucleolytic cleavage of the mRNA, a mechanism to release non-functional ribosomes and to degrade damaged mRNAs as part of the No-Go Decay (NGD) pathway (PubMed:<a href="http://www.uniprot.org/citations/21448132" target="\_blank">21448132</a>). Plays a role in the regulation of mRNA turnover (By similarity). Plays a role in quality control of translation of mitochondrial outer membrane-localized mRNA (PubMed:<a href="http://www.uniprot.org/citations/29861391" target="\_blank">29861391</a>). As part of the PINK1-regulated signaling, ubiquitinated by CNOT4 upon mitochondria damage; this modification generates polyubiquitin signals that recruit autophagy receptors to the mitochondrial outer membrane and initiate mitophagy (PubMed:<a href="http://www.uniprot.org/citations/29861391" target="\_blank">29861391</a>). RNASEL-specific protein inhibitor which antagonizes the binding of 2-5A (5'-phosphorylated 2',5'-linked oligoadenylates) to RNASEL (PubMed:<a href="http://www.uniprot.org/citations/9660177" target="\_blank">9660177</a>). Negative regulator of the anti-viral effect of the interferon-regulated 2-5A/RNASEL pathway (PubMed:<a href="http://www.uniprot.org/citations/9660177" target="\_blank">9660177</a>, PubMed:<a href="http://www.uniprot.org/citations/9847332" target="\_blank">9847332</a>, PubMed:<a href="http://www.uniprot.org/citations/11585831" target="\_blank">11585831</a>).

## Research Area

## Image Data



Western blot detection of ABCE1 in K562,C6,3T3,HeLa cell lysates using ABCE1 antibody(1:1000 diluted).

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**Note**

For research use only.