

ABCE1 Antibody
Rabbit mAb
Catalog # AP92290**Specification**

ABCE1 Antibody - Product Information

Application	WB, IHC, FC, ICC, IP
Primary Accession	P61221
Reactivity	Rat
Clonality	Monoclonal
Other Names	
ABC38; ABCE1; HuHP68; OABP; RLI; RNASEL1; RNASELI; RNS4I;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	67314 Da

ABCE1 Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human ABCE1
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

ABCE1 Antibody - Protein Information**Name** ABCE1**Synonyms** RLI, RNASEL1, RNASELI, RNS4I**Function**

Nucleoside-triphosphatase (NTPase) involved in ribosome recycling by mediating ribosome disassembly (PubMed: [20122402](http://www.uniprot.org/citations/20122402), PubMed: [21448132](http://www.uniprot.org/citations/21448132)). Able to hydrolyze ATP, GTP, UTP and CTP (PubMed: [21448132](#)).

[20122402](http://www.uniprot.org/citations/20122402)). Splits ribosomes into free 60S subunits and tRNA- and mRNA-bound 40S subunits (PubMed:[20122402](http://www.uniprot.org/citations/20122402), PubMed:[21448132](http://www.uniprot.org/citations/21448132)). Acts either after canonical termination facilitated by release factors (ETF1/eRF1) or after recognition of stalled and vacant ribosomes by mRNA surveillance factors (PELO/Pelota) (PubMed:[20122402](http://www.uniprot.org/citations/20122402), PubMed:[21448132](http://www.uniprot.org/citations/21448132)). Involved in the No-Go Decay (NGD) pathway: recruited to stalled ribosomes by the Pelota-HBS1L complex, and drives the disassembly of stalled ribosomes, followed by degradation of damaged mRNAs as part of the NGD pathway (PubMed:[21448132](http://www.uniprot.org/citations/21448132)). Also plays a role in quality control of translation of mitochondrial outer membrane- localized mRNA (PubMed:[29861391](http://www.uniprot.org/citations/29861391)). 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:[29861391](http://www.uniprot.org/citations/29861391)). RNASEL-specific protein inhibitor which antagonizes the binding of 2-5A (5'-phosphorylated 2',5'-linked oligoadenylates) to RNASEL (PubMed:[9660177](http://www.uniprot.org/citations/9660177)). Negative regulator of the anti-viral effect of the interferon-regulated 2-5A/RNASEL pathway (PubMed:[11585831](http://www.uniprot.org/citations/11585831), PubMed:[9660177](http://www.uniprot.org/citations/9660177), PubMed:[9847332](http://www.uniprot.org/citations/9847332)).

Cellular Location

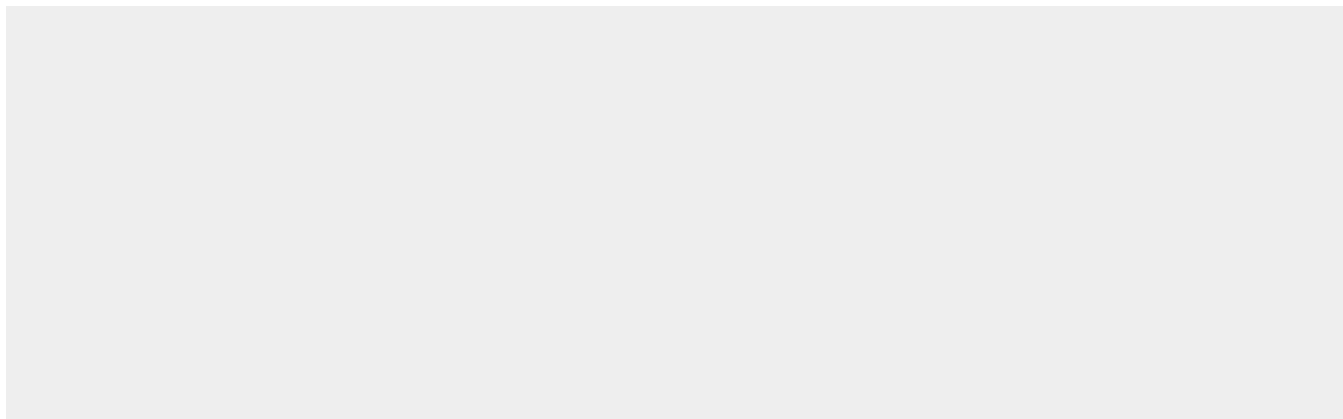
Cytoplasm. Mitochondrion

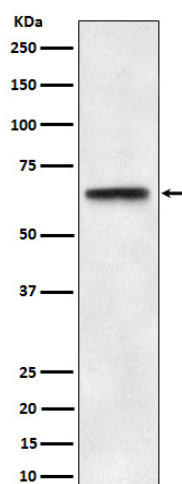
ABCE1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ABCE1 Antibody - Images





Western blot analysis of ABCE1 expression in HeLa cell lysate.