

ABCE1 Rabbit mAb
Catalog # AP74873**Specification**

ABCE1 Rabbit mAb - Product Information

Application	WB, IP
Primary Accession	P61221
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	67314

ABCE1 Rabbit mAb - Additional Information**Gene ID** 6059**Other Names**
ABCE1**Dilution**
WB~~1/500-1/1000
IP~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**ABCE1 Rabbit mAb - 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: [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). Also plays a role in quality control of translation of mitochondrial outer membrane- localized mRNA (PubMed: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). RNASEL-specific protein inhibitor which antagonizes the binding of 2-5A (5'-phosphorylated 2',5'-linked oligoadenylates) to RNASEL (PubMed:9660177). Negative regulator of the anti-viral effect of the interferon-regulated 2-5A/RNASEL pathway (PubMed:11585831, PubMed:9660177, PubMed:9847332).

Cellular Location

Cytoplasm. Mitochondrion

ABCE1 Rabbit mAb - 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 Rabbit mAb - Images

