

## Recombinant ABCE1 Monoclonal Antibody

catalog number: **AN301424L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

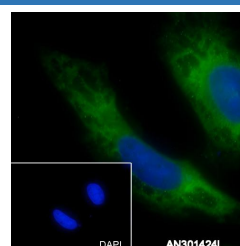
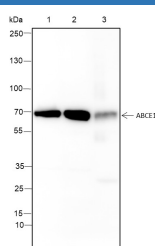
### Description

<b>Reactivity</b>	Human;Mouse
<b>Immunogen</b>	Recombinant human ABCE1 fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	A119
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

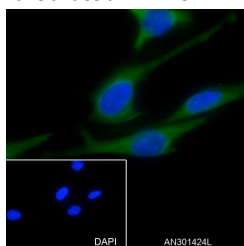
<b>WB</b>	1:500-1:1000
<b>IF</b>	1:50

### Data



Western Blot with ABCE1 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: Panc-1, Lane 3: Mouse liver

**Observed-MW:45 kDa**  
**Calculated-MW:34 kDa**



Immunofluorescent analysis of (4% Paraformaldehyde) fixed NIH-3T3 cells using anti-ABCE1 Monoclonal Antibody at dilution of 1:50.

HeLa cells using anti-ABCE1 Monoclonal Antibody at dilution of 1:50.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

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Cotranslational quality control factor involved in the No-Go Decay (NGD) pathway. Together with PELO and HBS1L, is required for 48S complex formation from 80S ribosomes and dissociation of vacant 80S ribosomes. 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. Plays a role in the regulation of mRNA turnover. Plays a role in quality control of translation of mitochondrial outer membrane-localized mRNA. 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. RNASEL-specific protein inhibitor which antagonizes the binding of 2-5A (5'-phosphorylated 2', 5'-linked oligoadenylates) to RNASEL. Negative regulator of the anti-viral effect of the interferon-regulated 2-5A RNASEL pathway.