Recombinant ABCE1 Monoclonal Antibody

catalog number: **AN301424L**

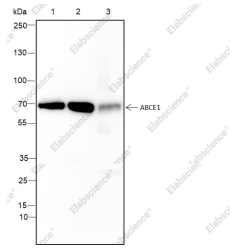
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	Recombinant human ABCE1 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C271047
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000
IF	1:50

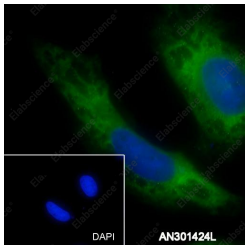
Data



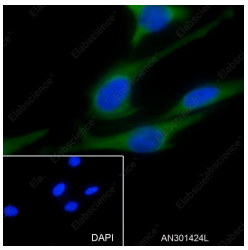
Western Blot with ABCE1 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: Panc-1, Lane 3: Mouse liver

Observed-MW:45 kDa

Calculated-MW:34 kDa



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



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

Preparation & Storage

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

Background

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com

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.

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