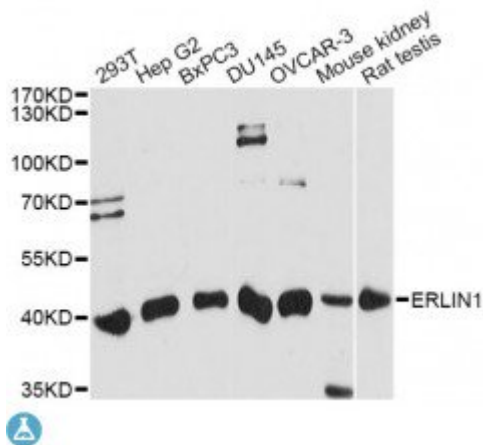


## Anti-ERLIN1 Antibody



### Description

The protein encoded by this gene is part of a protein complex that mediates degradation of inositol 1,4,5-trisphosphate receptors in the endoplasmic reticulum. The encoded protein also binds cholesterol and regulates the SREBP signaling pathway, which promotes cellular cholesterol homeostasis. Defects in this gene have been associated with spastic paraplegia 62.

<b>Model</b>	STJ117043
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	WB
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 259-348 of human ERLIN1 (NP_006450.2).
<b>Gene ID</b>	<a href="#">10613</a>
<b>Gene Symbol</b>	<a href="#">ERLIN1</a>
<b>Dilution range</b>	WB 1:500 - 1:2000
<b>Tissue Specificity</b>	Expressed in heart, placenta, liver, kidney, pancreas, prostate, testis, ovary and small intestine
<b>Purification</b>	Affinity purification
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Erlin-1 Endoplasmic reticulum lipid raft-associated protein 1 Protein KE04 Stomatin-prohibitin-flotillin-HflC/K domain-containing protein 1 SPFH domain-containing protein 1

<b>Molecular Weight</b>	38.926 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Storage Instruction</b>	Store at -20C. Avoid freeze / thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:16947</a> <a href="#">OMIM:611604</a> <a href="#">Reactome:R-HSA-382556</a>
<b>Alternative Names</b>	Erlin-1 Endoplasmic reticulum lipid raft-associated protein 1 Protein KE04 Stomatin-prohibitin-flotillin-HflC/K domain-containing protein 1 SPFH domain-containing protein 1
<b>Function</b>	Component of the ERLIN1/ERLIN2 complex which mediates the endoplasmic reticulum-associated degradation (ERAD) of inositol 1,4,5-trisphosphate receptors (IP3Rs), Involved in regulation of cellular cholesterol homeostasis by regulation the SREBP signaling pathway, Binds cholesterol and may promote ER retention of the SCAP-SREBF complex ,
<b>Cellular Localization</b>	Endoplasmic reticulum membrane,

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