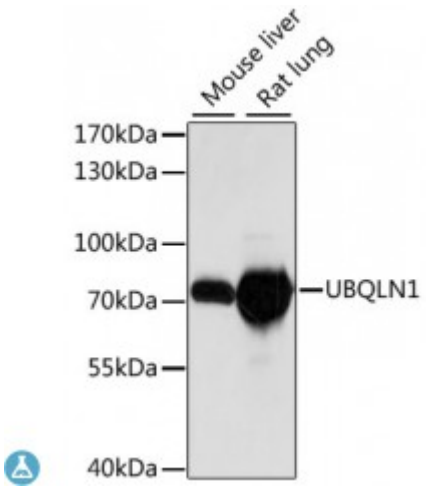
Anti-UBQLN1 Antibody



Description	This gene encodes an ubiquitin-like protein (ubiquilin) that shares a high degree of similarity with related products in yeast, rat and frog. Ubiquilins contain an N-terminal ubiquitin-like domain and a C-terminal ubiquitin-associated domain. They physically associate with both proteasomes and ubiquitin ligases, and thus are thought to functionally link the ubiquitination machinery to the proteasome to affect in vivo protein degradation. This ubiquilin has also been shown to modulate accumulation of presenilin proteins, and it is found in lesions associated with Alzheimer's and Parkinson's disease. Two transcript variants encoding different isoforms have been found for this gene.

Model	STJ117634
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 480-540 of human UBQLN1 (NP_038466.2).
Gene ID	29979
Gene Symbol	UBQLN1
Dilution range	WB 1:200 - 1:2000
Tissue Specificity	Brain (at protein level) , Ubiquitous, Highly expressed throughout the brain
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Ubiquilin-1 Protein linking IAP with cytoskeleton 1 PLIC-1 hPLIC-1
Molecular Weight	62.519 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:12508OMIM:605046Reactome:R-HSA-8856825
Alternative Names	Ubiquilin-1 Protein linking IAP with cytoskeleton 1 PLIC-1 hPLIC-1
Function	Plays an important role in the regulation of different protein degradation mechanisms and pathways including ubiquitin-proteasome system (UPS), autophagy and endoplasmic reticulum-associated protein degradation (ERAD) pathway, Mediates the proteasomal targeting of misfolded or accumulated proteins for degradation by binding (via UBA domain) to their polyubiquitin chains and by interacting (via ubiquitin-like domain) with the subunits of the proteasome ,
Cellular Localization	Cytoplasm,
Post-translational Modifications	Degraded during both macroautophagy and during chaperone-mediated autophagy (CMA),