UBQLN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UBQLN2, Polyclonal Antibody
Full Product Name	UBQLN2, CT (Ubiquilin 2, Protein Linking IAP with Cytoskeleton-2, PLIC-2, hPLIC-2, Ubiquitin-like Product Chap1/Dsk2, DSK2 Homolog, Chap1, N4BP4, PLIC2, HRIHFB2157) (MaxLight 405)
Product Gene Name	anti-UBQLN2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human UBQLN2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	65,696 Da
OMIM	300264
3D Structure	ModBase 3D Structure for Q9UHD9
Immunogen	Synthetic peptide selected from the C-terminal region of human UBQLN2 (KLH).
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-UBQLN2 antibody	Antibodies; Disease Markers
Applications Tested/Suitable for anti-UBQLN2 antibody	Western Blot (WB), FLISA
Application Notes for anti-UBQLN2 antibody	WB: 1:100-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-UBQLN2 antibody	MBS6504534 is an antibody targeting UBQLN2. Also known as UBQLN2, CT (Ubiquilin 2, Protein Linking IAP with Cytoskeleton-2, PLIC-2, hPLIC-2, Ubiquitin-like Product Chap1/Dsk2, DSK2 Homolog, Chap1, N4BP4, PLIC2, HRIHFB2157) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-UBQLN2 antibody	1. Walters, K.J., et al., Biochemistry 41(6):1767-1777 (2002). 2. Kleijnen, M.F., et al., Mol. Cell 6(2):409-419 (2000). 3. Ueki, N., et al., Nat. Biotechnol. 16(13):1338-1342 (1998).
Other Notes	Small volumes of anti-UBQLN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBQLN2. It may not necessarily be applicable to this product.

NCBI GI #	16753207
NCBI GeneID	29978
NCBI Accession #	NP_038472.2
UniProt Primary Accession #	Q9UHD9
UniProt Secondary Accession #	O94798; Q5D027; Q9H3W6; Q9HAZ4
UniProt Related Accession #	Q9UHD9
GenBank Nucleotide #	NM_013444.3
NCBI Official Full Name	ubiquilin-2
NCBI Official Synonym Full Names	ubiquilin 2
NCBI Official Symbol	UBQLN2
NCBI Official Synonym Symbols	DSK2; ALS15; CHAP1; N4BP4; PLIC2; HRIHFB2157
UniProt Protein Name	Ubiquilin-2
UniProt Synonym Protein Names	Chap1; DSK2 homolog; Protein linking IAP with cytoskeleton 2; PLIC-2; hPLIC-2; Ubiquitin-like product Chap1/Dsk2
Protein Family	Ubiquilin
UniProt Gene Name	UBQLN2
UniProt Synonym Gene Names	N4BP4; PLIC2; PLIC-2; hPLIC-2
UniProt Entry Name	UBQL2_HUMAN
NCBI Protein Information	ubiquilin-2
UniProt Comments for UBQLN2	UBQLN2: Increases the half-life of proteins destined to be degraded by the proteasome; may modulate proteasome-mediated protein degradation. Defects in UBQLN2 are the cause of amyotrophic lateral sclerosis type 15 with or without frontotemporal dementia (ALS15). A neurodegenerative disorder affecting upper motor neurons in the brain and lower motor neurons in the brain stem and spinal cord, resulting in fatal paralysis. Sensory abnormalities are absent. The pathologic hallmarks of the disease include pallor of the corticospinal tract due to loss of motor neurons, presence of ubiquitin-positive inclusions within surviving motor neurons, and deposition of pathologic aggregates. The etiology of amyotrophic lateral sclerosis is likely to be multifactorial, involving both genetic and environmental factors. The disease is inherited in 5-10% of the cases. Patients with ALS15 may develop frontotemporal dementia. Protein type: Ubiquitin conjugating system Chromosomal Location of Human Ortholog: Xp11.21 Cellular Component: cytoplasm; plasma membrane Molecular Function: protein binding Biological Process: ER-associated protein catabolic process; regulation of macroautophagy Disease: Amyotrophic Lateral Sclerosis 15, With Or Without Frontotemporal Dementia
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