

Rabbit Ubiquilin1 Polyclonal Antibody | anti-UBQLN1 antibody

Ubiquilin1 Antibody (N-term)

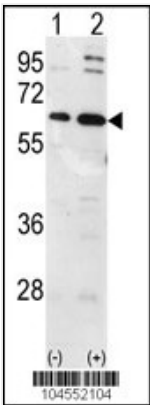
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288098	Rabbit	Human, mouse (Predicted Reactivity: Rat)	ELISA, Western Blot

PRODUCT SYNONYMS

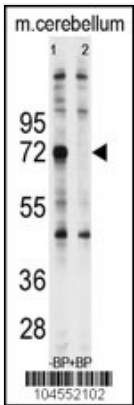
Ubiquilin1; Polyclonal Antibody; Ubiquilin1 Antibody (N-term); Ubiquilin-1; Protein linking IAP with cytoskeleton 1; PLIC-1; hPLIC-1; UBQLN1; DA41; PLIC1; anti-UBQLN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Ubiquilin1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-70 amino acids from the N-terminal region of human Ubiquilin1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	40-70
Sequence Length	589
Applicable Applications for anti-UBQLN1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of Ubiquilin1 (arrow) using Ubiquilin1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the Ubiquilin1 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of anti-Ubiquilin1 Antibody (N-term) pre-incubated with and without blocking peptide (BP2176a) in Jurkat cell line lysate. Ubiquilin1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-UBQLN1 antibody	Ubiquilin 1 (UBQLN1), also known as DA41, was isolated from an adult rat lung cDNA library, and encodes a cellular protein that associates with DAN.1 DAN expression is reduced in rat fibroblast 3Y1 cells transformed with mouse sarcoma virus and in rodent fibroblasts transformed with a variety of oncogenes. The DAN-DA41 interaction is mediated through the N-terminal domain and a cysteine-knot region of DAN. Human DA41 encodes a 589-amino acid protein with 86% amino acid sequence identity with rat protein.2 DA41 expression is regulated in a cell cycle-dependent manner. PLIC1 and PLIC2 (UBQLN2) are homologs of the mouse Plics (proteins linking integrin-associated protein (IAP) and cytoskeleton) and the yeast Dsk2 protein. PLIC1, also called UBQLN1, shares 72% amino acid identity with PLIC2,3 Two motifs are conserved in the mammalian PLICs and yeast Dsk2, an N-terminal ubiquitin-like (UBL) domain and a C-terminal ubiquitin-associated (UBA) domain. Unlike ubiquitin, the UBL domain of the PLICs does not have a diglycine motif in its C terminus. The UBA domain is present in multiple enzyme classes of the ubiquitination machinery. Human PLICs associate with both proteasomes and ubiquitin ligases in large complexes. Overexpression of PLICs impairs the in vivo degradation of 2 unrelated ubiquitin-dependent proteasome substrates, p53 and I-kappa-B-alpha (NFKBIA), but not a ubiquitin-independent substrate. PLICs may link the ubiquitination machinery to the proteasome to affect in vivo protein degradation. The DA41 gene maps to chromosome 9q21.2-q21.3, a position overlapping a candidate tumor suppressor locus for bladder cancer.2
Product Categories/Family for anti-UBQLN1 antibody	Cell Biology
References	Massey, L.K., et al., J. Alzheimers Dis. 6(1):79-92 (2004). Gao, L., et al., J. Virol. 77(7):4149-4159 (2003). Mah, A.L., et al., J. Cell Biol. 151(4):847-862 (2000). Kleijnen, M.F., et al., Mol. Cell 6(2):409-419 (2000). Hanaoka, E., et al., J. Hum. Genet. 45(3):188-191 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	16753203
NCBI GeneID	29979
NCBI Accession #	NP_038466.2; NP_444295.1
NCBI GenBank Nucleotide #	NM_013438.4
UniProt Accession #	Q9UMX0; Q5T6J5; Q5T6J9; Q8IXS9; Q8N2Q3; Q9H0T8; Q9H3R4; Q9HAZ5
Molecular Weight	62519
NCBI Official Full Name	ubiquilin-1 isoform 1
NCBI Official Synonym Full Names	ubiquilin 1

NCBI Official Symbol	UBQLN1
NCBI Official Synonym Symbols	DA41; DSK2; UBQN; XDRP1; PLIC-1
NCBI Protein Information	ubiquilin-1
UniProt Protein Name	Ubiquilin-1
UniProt Gene Name	UBQLN1
UniProt Synonym Gene Names	DA41; PLIC1; PLIC-1; hPLIC-1
UniProt Entry Name	UBQL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ubiquilin1-antibody-western-blot-elisa/288098>