



Datasheet for ABIN3029414
anti-Ubiquilin 1 antibody (AA 40-70)



[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	Ubiquilin 1 (UBQLN1)
Binding Specificity:	AA 40-70
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ubiquilin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 40-70 from the human protein was used as the immunogen for this Ubiquilin1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat
Purification:	Purified

Target Details

Target:	Ubiquilin 1 (UBQLN1)
Alternative Name:	Ubiquilin1 (UBQLN1 Products)
Background:	Ubiquilin 1 (UBQLN1), also known as DA41, was isolated from an adult rat lung cDNA library,

Target Details

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

UniProt: [Q9UMX0](#)

Application Details

Application Notes: Titration of the Ubiquilin1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

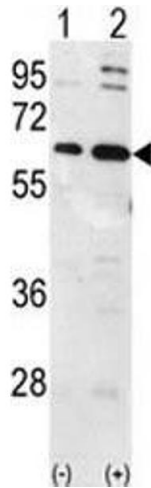
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Handling

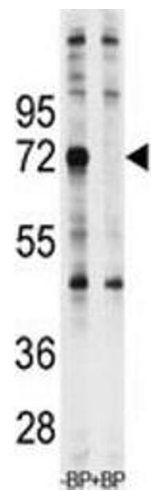
Storage Comment: Aliquot the Ubiquilin1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



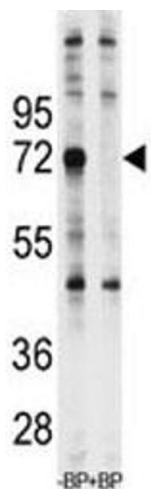
Western Blotting

Image 1. Western blot analysis of Ubiquilin-1 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the Ubiquilin1 gene (2).



Western Blotting

Image 2. Western blot analysis of Ubiquilin-1 antibody pre-incubated with and without blocking peptide in Jurkat lysate



Western Blotting

Image 3. Western blot analysis of Ubiquilin-1 antibody pre-incubated with and without blocking peptide in Jurkat lysate