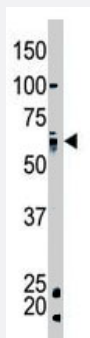


UBQLN1 polyclonal antibody

Catalog # PAB1740

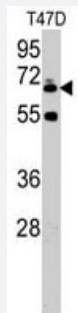
Size 400 uL

Applications



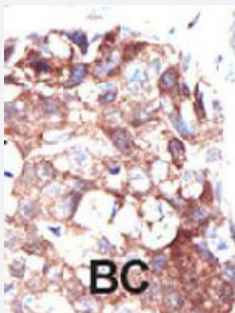
Western Blot (Tissue lysate)

The UBQLN1 polyclonal antibody (Cat # PAB1740) is used in Western blot to detect UBQLN1 in mouse liver tissue lysate.



Western Blot (Cell lysate)

Western blot analysis of UBQLN1 polyclonal antibody (Cat # PAB1740) in T-47D cell line lysates (35 ug/lane). UBQLN1 (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with UBQLN1 polyclonal antibody (Cat # PAB1740), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of UBQLN1.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human UBQLN1.

Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — UBQLN1

Entrez GeneID	29979
Protein Accession#	Q9UMX0
Gene Name	UBQLN1
Gene Alias	DA41, DSK2, FLJ90054, PLIC-1, XDRP1
Gene Description	ubiquilin 1

Omim ID [605046](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations OTTHUMP00000021544|OTTHUMP00000021545

Publication Reference

- [MiR-200c inhibits autophagy and enhances radiosensitivity in breast cancer cells by targeting UBQLN1.](#)

Sun Q, Liu T, Yuan Y, Guo Z, Xie G, Du S, Lin X, Xu Z, Liu M, Wang W, Yuan Q, Chen L.

International Journal of Cancer 2015 Mar; 136(5):1003.

Application: IHC-P, WB-Tr, Human, MDA-MB-231, BT549 cells, Breast cancer

- [Interaction with a ubiquitin-like protein enhances the ubiquitination and degradation of hepatitis C virus RNA-dependent RNA polymerase.](#)

Gao L, Tu H, Shi ST, Lee KJ, Asanaka M, Hwang SB, Lai MM.

Journal of Virology 2003 Apr; 77(7):4149.

- [Identification of ubiquilin, a novel presenilin interactor that increases presenilin protein accumulation.](#)

Mah AL, Perry G, Smith MA, Monteiro MJ.

The Journal of Cell Biology 2000 Nov; 151(4):847.

Application: IF, IHC-P, IP, WB-Tr, Human, HeLa cells, Hippocampus brain tissues

- [The hPLIC proteins may provide a link between the ubiquitination machinery and the proteasome.](#)

Kleijnen MF, Shih AH, Zhou P, Kumar S, Soccio RE, Kedersha NL, Gill G, Howley PM.

Molecular Cell 2000 Aug; 6(2):409.

Disease

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- [Cardiovascular Diseases](#)
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