

For Research Use Only

# Ubiquilin 1 Polyclonal antibody

Catalog Number: 22126-1-AP



## Basic Information

<b>Catalog Number:</b> 22126-1-AP	<b>GenBank Accession Number:</b> BC010066	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 200 µg/ml by Nanodrop and 160 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 29979	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> ubiquilin 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 589 aa, 63 kDa	
<b>Immunogen Catalog Number:</b> AG17530	<b>Observed MW:</b> 63-71 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b> WB : rat brain tissue, L02 cells, rat heart tissue, rat liver tissue, Transfected HEK-293 cells IF : HeLa cells,
<b>Species Specificity:</b> human, rat	

## Background Information

UBQLN1, also known as DSK2 or Ubiquilin 1, is an ubiquitin-like protein that contains a 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. Ubiquilin has also been shown to modulate accumulation of presenilin proteins, and is found in lesions associated with Alzheimer's and Parkinson's disease. Two transcript variants encoding different isoforms have been found for this gene. Higher levels of ubiquilin-1 in the brain decreased malformation of the APP molecule which plays a key role in triggering Alzheimer's disease. Conversely, lower levels of ubiquilin-1 in the brain were associated with increased malformation of APP (PMID: 21852239). This antibody detects 70kD band of UBQLN1.

## Storage

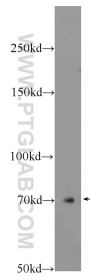
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

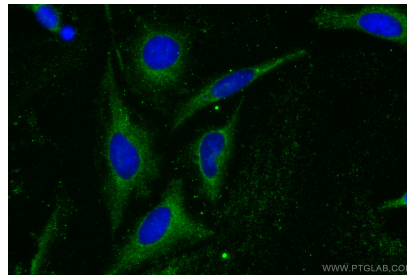
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



rat brain tissue were subjected to SDS PAGE followed by western blot with 22126-1-AP (Ubiquilin 1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Ubiquilin 1 antibody (22126-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).