

For Research Use Only

CoraLite® Plus 488-conjugated Ubiquilin 1 Recombinant monoclonal antibody

Catalog Number: CL488-84649-2



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-84649-2	BC010066	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	29979	242092E9
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	Q9UMX0	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima wavelengths:
IgG	ubiquilin 1	493 nm / 522 nm
Immunogen Catalog Number:	Calculated MW:	
AG17530	589 aa, 63 kDa	
	Observed MW:	
	63-71 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : HeLa cells,
Species Specificity:	
human	

Background Information

UBQLN1, also known as DSK2 or Ubiquilin 1, is an ubiquitin-like protein. It 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.

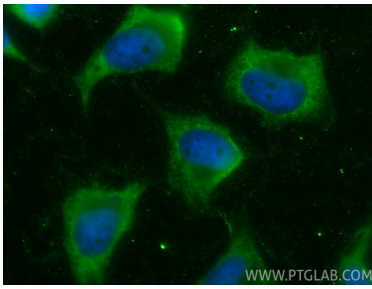
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)
fixed HeLa cells using Coralite® Plus 488
Ubiquitin 1 antibody (CL488-84649-2, Clone:
242092E9) at dilution of 1:200.