

For Research Use Only

CoraLite® Plus 488-conjugated Ubiquilin 1 Recombinant monoclonal antibody

Catalog Number: CL488-84649-2



Basic Information

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

Applications

Tested Applications: IF/ICC	Positive Controls: 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.

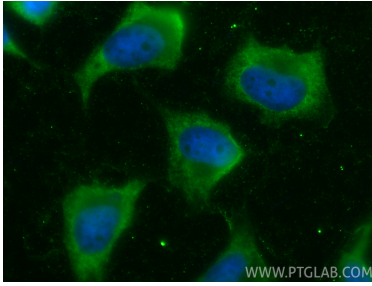
Storage

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:
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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.