

For Research Use Only

Ubiquilin 1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84649-2-PBS



Basic Information

Catalog Number: 84649-2-PBS	GenBank Accession Number: BC010066	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 29979	CloneNo.: 242092E9
Source: Rabbit	UNIPROT ID: Q9UMX0	
Isotype: IgG	Full Name: ubiquilin 1	
Immunogen Catalog Number: AG17530	Calculated MW: 589 aa, 63 kDa	
	Observed MW: 63-71 kDa	

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

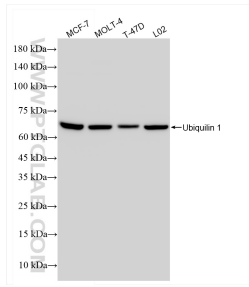
T: 4006900926

E: Proteintech-CN@ptglab.com

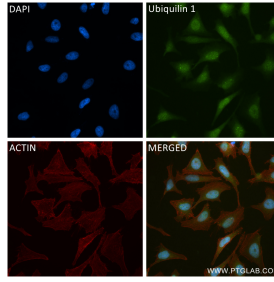
W: ptgcn.com

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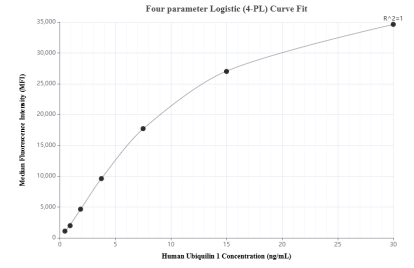
Selected Validation Data



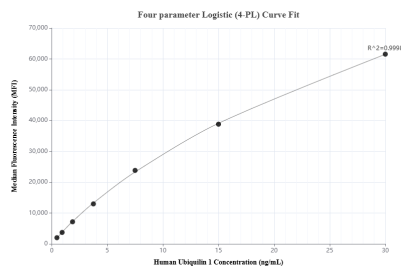
Various lysates were subjected to SDS PAGE followed by western blot with 84649-2-RR (Ubiquilin 1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84649-2-PBS in a different storage buffer formulation.



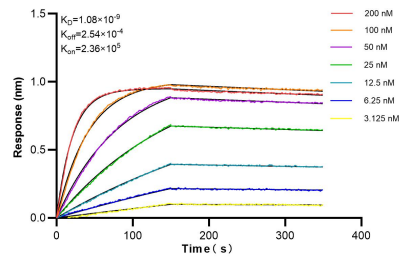
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Ubiquilin 1 antibody (84649-2-RR, Clone: 242092E9) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84649-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01462-2, Ubiquilin 1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84649-2-PBS. Detection antibody: 84649-3-PBS. Standard: Ag17530. Range: 0.469-30 ng/mL.



Cytometric bead array standard curve of MP01462-1, Ubiquilin 1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84649-2-PBS. Detection antibody: 84649-1-PBS. Standard: Ag17530. Range: 0.469-30 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84649-2-RR against Human Ubiquilin 1 were performed. The affinity constant is 1.08 nM.