

Ubiquilin 2 Monoclonal Antibody (3B8A10)

Catalog Number35-4400

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Published species	Human, Mouse
Class	Monoclonal	Tested Applications	
Type	Antibody	ELISA (ELISA)	Assay-dependent
Clone	3B8A10	Western Blot (WB)	Assay-dependent
Immunogen	Recombinant protein corresponding to the C-terminal region of the human ubiquilin protein	Immunocytochemistry (ICC/IF)	2 µg/mL
Conjugate	Unconjugated	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Protein A		
Storage buffer	PBS, pH 7.4		
Contains	0.1% sodium azide		
Storage Conditions	-20°C		

Background/Target Information

This gene encodes an ubiquitin-like protein (ubiquilin) that shares high degree of similarity with related products in yeast, rat and frog. Ubiquilins contain 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. This ubiquilin has also been shown to bind the ATPase domain of the Hsp70-like Stch protein.

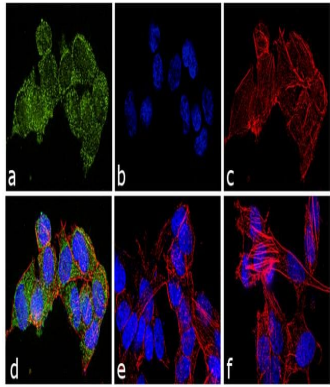
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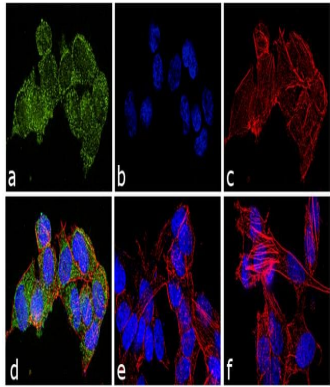
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Product Images For Ubiquilin 2 Monoclonal Antibody (3B8A10)



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Altered expression of proteins upon cell treatment demonstrates antibody specificity. Immunofluorescence of Dsk2 using Anti - Dsk2 Mouse Monoclonal Antibody (Product # A28175), shows increased expression of Dsk2 in SHSY5Y cell lines upon treatment with Nocodazole. {TM}



Ubiquilin 2 Antibody (35-4400) in ICC/IF

Immunofluorescence analysis of Dsk2 Monoclonal Antibody (3B8A10) was performed using 70% confluent log phase SH-SY5Y cells treated with 1 uM Nocodazole for 12 h. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Dsk2 (3B8A10) Mouse Monoclonal Antibody at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic and nuclear localization. Panel e shows the untreated cells with no signal. Panel f represents the no primary antibody control. The images were captured at 60X magnification.

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