

### 34-1118: Monoclonal Antibody to Ubiquilin 2 (Clone: 6H9)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	6H9
<b>Application :</b>	WB, IF/ICC, IHC
<b>Reactivity :</b>	Human, Rat, Mouse
<b>Gene :</b>	UBQLN2
<b>Gene ID :</b>	29978
<b>Uniprot ID :</b>	Q9UHD9
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Chap1,DSK2 homolog,PLIC-2,Protein linking IAP with cytoskeleton 2,Ubiquitin-like product Chap1/Dsk2
<b>Isotype :</b>	Mouse, IgG1
<b>Immunogen Information :</b>	Human ubiquilin 2 expressed in and purified from E. coli.

#### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

WB: 1:1,000-1:2,000. IF/ICC and IHC: 1:1,000.

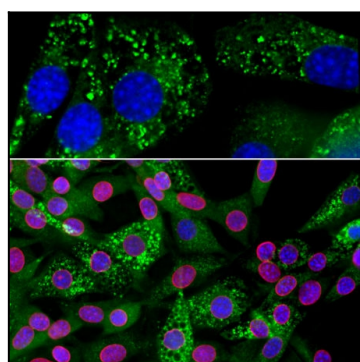


Figure-1: Immunofluorescent analysis of an NIH-3T3 cell culture stained with mouse mAb to ubiquilin 2,(34-1118), dilution 1:1,000 in green, and costained with chicken pAb to lamin A/C, dilution 1:5,000 in red. The blue is DAPI staining of nuclear DNA. The cells were treated with 50µM of chloroquine, an inhibitor of autophagy, for 16 hours prior to staining. The (34-1118) antibody reveals punctate staining of ubiquilin 2 protein accumulated in lysosomes in the cytoplasm, while the lamin A/C antibody stains the nuclear lamina.

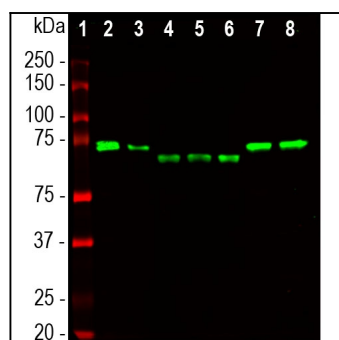


Figure-2: Western blot analysis of different tissue and cell lysates using mouse mAb to ubiquilin 2,(34-1118), dilution 1:1,000 in green: [1] protein standard (red), [2] NIH-3T3, [3] C6, [4] HEK293, [5] HeLa, [6] SH-SY5Y, [7] rat whole brain, and [8] mouse whole brain. The band at 65-70kDa corresponds to ubiquilin 2 protein, which is known to differ between the human and rodent proteins.