

## Mouse Monoclonal Antibody to UBB

<b>Catalogue Number</b>	sAP-0667
<b>Target Molecule</b>	<p><b>Name:</b> UBB</p> <p><b>Aliases:</b> UBC; UBA52; RPS27A</p> <p><b>MW:</b> 26kDa</p> <p><b>Entrez Gene ID:</b> 7314</p>
<b>Description</b>	<p>This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin is required for ATP-dependent, nonlysosomal intracellular protein degradation of abnormal proteins and normal proteins with a rapid turnover. Ubiquitin is covalently bound to proteins to be degraded, and presumably labels these proteins for degradation. Ubiquitin also binds to histone H2A in actively transcribed regions but does not cause histone H2A degradation, suggesting that ubiquitin is also involved in regulation of gene expression. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. Aberrant form of this protein has been noticed in patients with Alzheimer's and Down syndrome.</p>
<b>Immunogen</b>	Purified recombinant fragment of human UBB expressed in E. Coli. ;
<b>Recombinant Species</b>	Human
<b>Clone</b>	MM3C12;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Science. 2009 Aug 14;325(5942):834-40. ; 2. Biochem Soc Trans. 2009 Oct;37(Pt 5):937-53. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**