

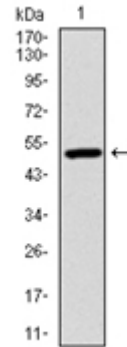
**AM06722PU-N****Monoclonal Antibody to Ubiquitin - Purified****Alternate names:** Polyubiquitin-B, UBB**Quantity:** 0.1 mg**Concentration:** 1.0 mg/ml**Background:** This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin is required for ATP-dependent, nonlysosomal intracellular 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.**Uniprot ID:** [POCG47](#)**GeneID:** [7314](#)**Host / Isotype:** Mouse / IgG1**Recommended Isotype Controls:** SM10P (for use in human samples), AM03095PU-N**Clone:** 3C12**Immunogen:** Purified recombinant fragment of Human UBB expressed in E. Coli.**Format:** **State:** Liquid purified antibody  
**Buffer System:** PBS  
**Preservatives:** 0.05% Sodium Azide  
**Stabilizers:** 0.5% protein stabilizer**Applications:** **ELISA:** 1/10000.  
**Western Blot:** 1/500 - 1/2000.  
**Flow Cytometry:** 1/200 - 1/400.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.**Molecular Weight:** 26 kDa**Specificity:** Recognizes UBB**Species Reactivity:** **Tested:** Human.**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.

**General Readings:**

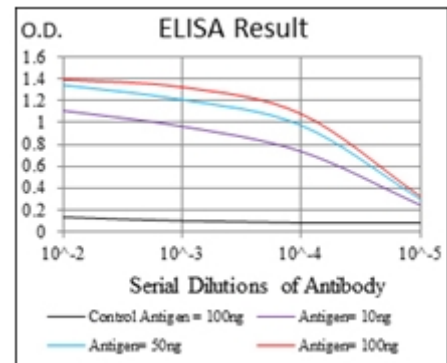
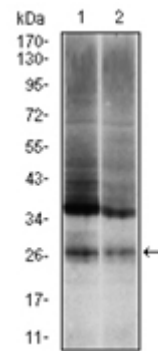
1. Science. 2009 Aug 14;325(5942):834-40.
2. Biochem Soc Trans. 2009 Oct;37(Pt 5):937-53.

**Pictures:**

Western blot analysis using UBB antibody Cat.-No AM06722PU-N against human UBB (AA: 1-299) recombinant protein (Expected MW is 26 kDa).



Western blot analysis using UBB antibody Cat.-No AM06722PU-N against NIH/3T3 (1) and Hela (2) cell lysate.



Flow Cytometric analysis of HeLa cells using UBB antibody Cat.-No AM06722PU-N (green) and negative control (red).

