www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

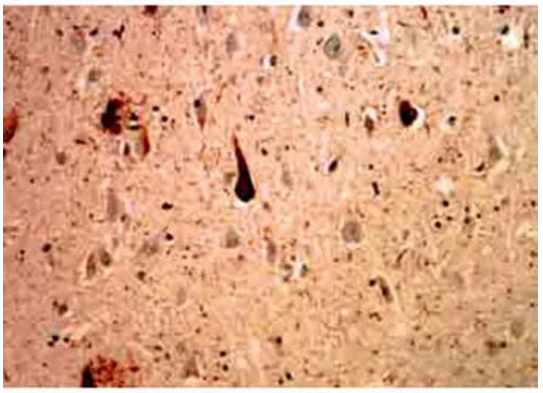
Anti-Polyubiqutin-B Antibody

Product Details

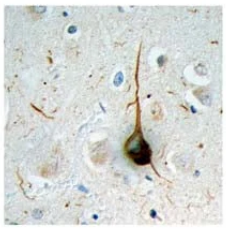
Available Variants	100 µg (SKU:M-1404-100)
Conjugate	Unconjugated
Isotype	IgG1
Clone	Ubi-1
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	IHC, WB
Dilution Ranges	WB: 1:500-1:1000 IHC: 1:500
Species Reactivity	Bovine, Chicken, Drosophila, Human
Immunogen	Raised against purified ubiquitin conjugated with glutaraldehyde to keyhole limpet hemocyanin.
Specificity	The specificity of this antibody has been confirmed by WB. This antibody detects ~8.5 kDa Ubiquitin. Hu, Bov, Chk, Drosophila, and C. elegans.
Molecular Weight	8.5 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	P0CG47

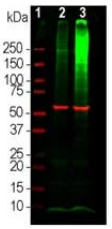
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Mouse monoclonal antibody to Ubiquitin [Ubi-1] M-1404-100 staining of cerebral cortex of an Alzheimer patient. Neurofibrillary tangles and dystrophic neurites associated with senile plaques stain strongly with this antibody. In the center is a typical neurofibrillary tangle containing neuron.





Left: Analysis of ubiquitin expression (brown) in FFPE section of human cerebral cortex of an Alzheimer patient by **Immunohistochemistry**. Signal was generated with DAB. Counterstain: haemotoxylin (blue). A typical flame-shaped tangle is seen in a pyramidal neuron in the center and is surrounded by dystrophic neurites, also strongly ubiquitin-positive. Both are commonly seen in cortical and hippocampal Alzheimer brain sections and are typical for this disease, but are rare or absent in healthy brain. **Right: Western blot** analysis of HEK293 cell lysates for ubiquitin expression (green, 1:1,000). [1] protein standard, [2] cells maintained in normal medium, [3] cells treated with 10 uM of proteasome inhibitor lactacystin (Lc) for 16 hours. The smear detected above the 200 kDa standard represents accumulation of ubiquitinated proteins in proteasome inhibitor-Lc treated cells. The prominent band at 8 kDa corresponds to monoubiquitin. The same blot was probed with an antibody to HSP60 as loading control.