Ubiquitin (N-term) Polyclonal Antibody

Order Information

Catalog#	BGT-ANT-69974
Size/Concentration	100μl

Description

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.

Specification

Aliases ： Polyubiquitin-C, Ubiquitin, UBC

Entrez GeneID ： 7316

Swissprot ： P0CG48

WB Predicted band size ： 77.0kDa

Host/Isotype ： Rabbit IgG

Antibody Type ： Primary antibody

Storage ： Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

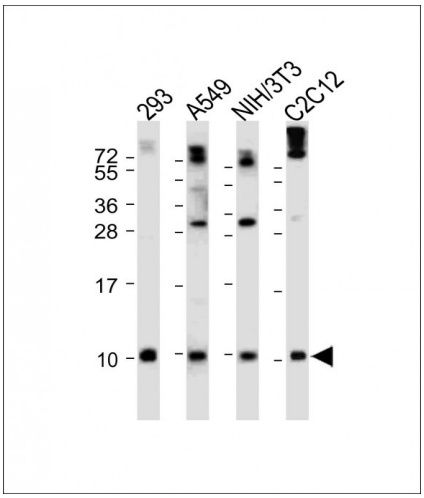
Species Reactivity ： Human, Mouse, Rat

Immunogen ： This Ubiquitin antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-32 amino acids from the N-terminal region of human Ubiquitin.

Formulation ： Purified antibody in PBS with 0.05% sodium azide,1%BSA and 50% glycerol.prepared by Saturated Ammonium Sulfate (SAS) .

Application

WB	1/2000



All lanes : Anti-Ubiquitin Antibody (N-term) at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: A549 whole cell lysate Lane 3: NIH/3T3 whole cell lysate Lane 4: C2C12 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 10 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

For Research Only

Application Key:WB - Western Blot | **IHC** - Immunohistochemistry | **ICC** - Immunocytochemistry | **FCM** - Flow Cytometry | **ELISA** - Enzyme-linked Immunosorbent Assay | **IP** - Immunoprecipitation