

Anti-Ubiquitin Antibody

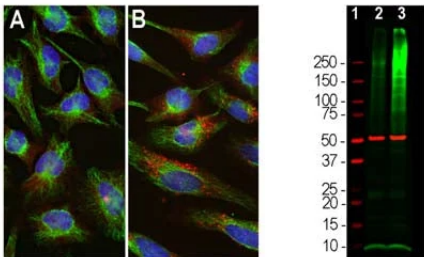


Product Details

Available Variants	50 µL (SKU:R-1405-50)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Buffer	Lyophilized with sodium azide.
Applications	ICC, WB
Dilution Ranges	WB: 1:5000-1:10000 ICC: 1:500-1:1000
Species Reactivity	Human, Mouse, Rat
Immunogen	Glutaraldehyde cross-linked ubiquitin.
Specificity	The specificity of this antibody has been confirmed by WB. This antibody detects ~8.5 kDa Ubiquitin. Human. Predicted to react with other mammalian tissues.
Molecular Weight	8.5 kDa
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. 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	<u>P0CG47</u>
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



Left: Immunofluorescent analysis of HeLa cells stained with rabbit antibody to ubiquitin (red, 1:1,000) by **Immunocytochemistry**. Cells were co-stained with chicken antibody to vimentin (C-1409-50, green, 1:10,000). Blue: DAPI nuclear stain. [A] Control HeLa cells maintained in normal medium; [B] HeLa cells treated with 10 uM of the proteasome inhibitor lactacystin (Lc) for 24 hours. Proteasomal inhibition leads to formation of strongly ubiquitin positive cytoplasmic inclusions [B]. Note the diffuse cytoplasmic ubiquitin staining in control cells [A] and well-defined ubiquitin positive inclusions in the Lc treated cells [B]. **Right: Western blot** analysis of HEK293 cell lysates using rabbit antibody to ubiquitin (green, 1:5,000). [1] protein standard, [2] cells maintained in normal medium, [3] cells treated with proteasome inhibitor lactacystin (Lc) at 10 uM for 16 hours. The blot was simultaneously probed with a mouse antibody to beta-tubulin as loading control (red, lanes 2 and 3). The smear detected above the 200 kDa standard represents accumulations of ubiquitinated proteins in the Lc-treated cells. The prominent band at ~8 kDa corresponds to monoubiquitin.

Product Page URL: www.antibodiesinc.com/products/anti-ubiquitin-antibody-r-1405-50

