

Datasheet for ABIN3029420
anti-Ubiquitin antibody (AA 36-66)



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5 Images

Overview

Quantity:	0.4 mL
Target:	Ubiquitin (Ub)
Binding Specificity:	AA 36-66
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ubiquitin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 36-66 from the human protein was used as the immunogen for this Ubiquitin antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine, C. elegans, Chicken, Drosophila, Mouse, Pig, Primate, Rat, Yeast
Purification:	Purified

Target Details

Target:	Ubiquitin (Ub)
Alternative Name:	Ubiquitin (Ub Products)

Target Details

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: [P0CG48](#)

Pathways: [Mitotic G1-G1/S Phases](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: Titration of the Ubiquitin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Immunofluorescence: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

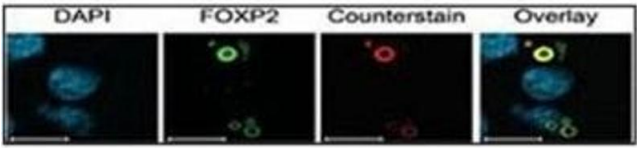
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

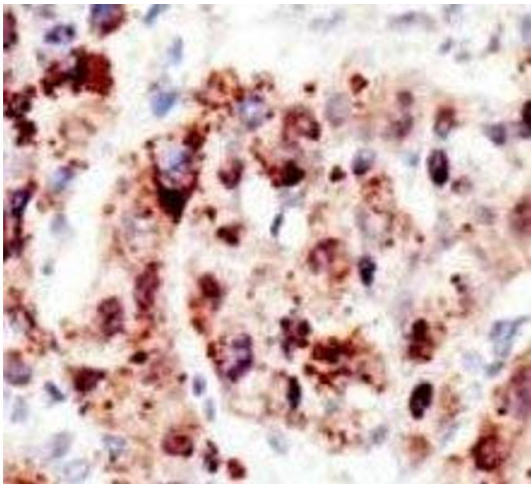
Storage: -20 °C

Storage Comment: Aliquot the Ubiquitin antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



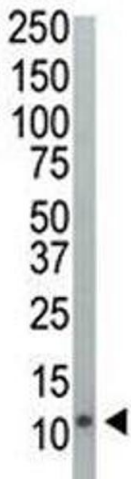
Immunofluorescence

Image 1. Characterization of FOXP2 isoforms using FOXP2 Ab (green) and Ubiquitin antibody (aggresome marker) (red). Nuclei are marked by DAPI staining (blue). Ubiquitin co-localizes with FOXP2.10t aggregates suggesting that these cellular bodies represent aggresom



Immunohistochemistry

Image 2. IHC analysis of FFPE human hepatocarcinoma stained with the Ubiquitin antibody



Western Blotting

Image 3. Western blot analysis of Ubiquitin antibody and HeLa cell lysate

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3029420.