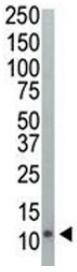
Ubiquitin Antibody (F42064)

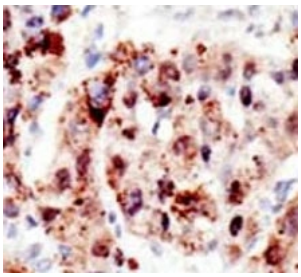
Catalog No.	Formulation	Size
F42064-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F42064-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

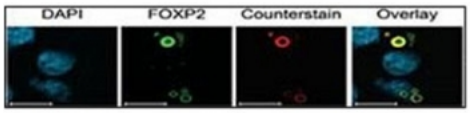
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine, C. elegans, Chicken, Drosophila, Mouse, Pig, Primate, Rat, Yeast
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P0CG48
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Immunofluorescence: 1:10-1:50
Limitations	This Ubiquitin antibody is available for research use only.



Western blot analysis of Ubiquitin antibody and HeLa cell lysate



IHC analysis of FFPE human hepatocarcinoma stained with the Ubiquitin antibody



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 aggresomes.

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.

Application Notes

Titration of the Ubiquitin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 36-66 from the human protein was used as the immunogen for this Ubiquitin antibody.

Storage

Aliquot the Ubiquitin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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