UBA3 Antibody / UBE1C (F54550)

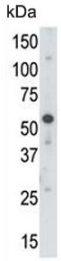
Catalog No.	Formulation	Size
F54550-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54550-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

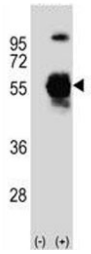
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q8TBC4
Localization	Nuclear, cytoplasmic
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:25
Limitations	This UBA3 antibody is available for research use only.



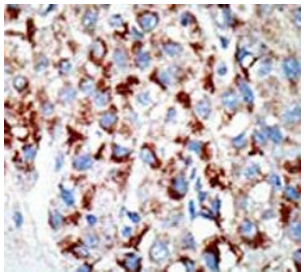
Western blot testing of human HL60 cell lysate with UBA3 antibody. Expected molecular weight ~52 kDa.



Western blot testing of mouse brain lysate with UBA3 antibody. Expected molecular weight ~52 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with UBA3 antibody. Predicted molecular weight ~52 kDa.



IHC testing of FFPE human cancer tissue with UBA3 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme associates with AppBp1, an amyloid beta precursor protein binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, a ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Application Notes

The stated application concentrations are suggested starting points. Titration of the UBA3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 415-445 from the human protein was used as the immunogen for the UBA3 antibody.

Storage

Aliquot the UBA3 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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