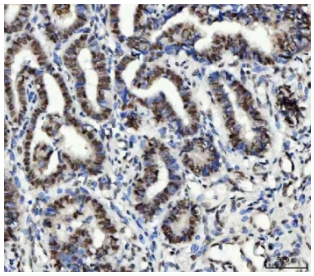
UBE2N Antibody (RQ7424)

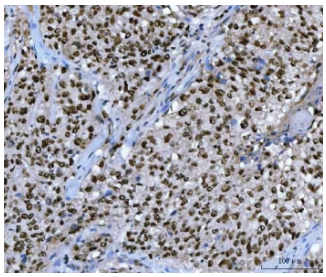
Catalog No.	Formulation	Size
RQ7424	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

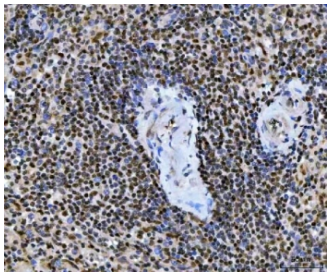
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P61088
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This UBE2N antibody is available for research use only.



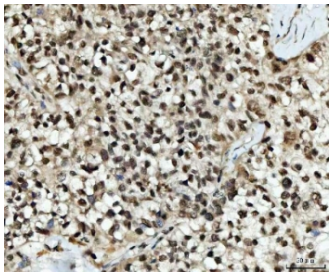
IHC staining of FFPE human cervical cancer tissue with UBE2N antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



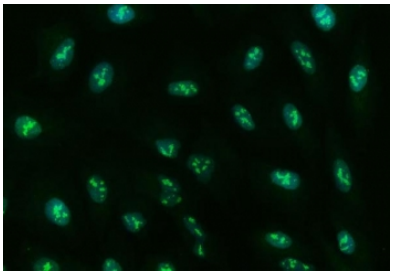
IHC staining of FFPE human lung squamous cell carcinoma tissue with UBE2N antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



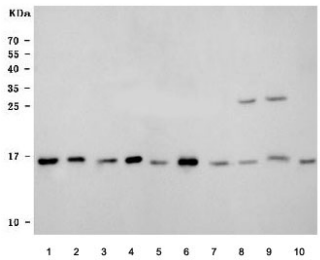
IHC staining of FFPE human spleen tissue with UBE2N antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



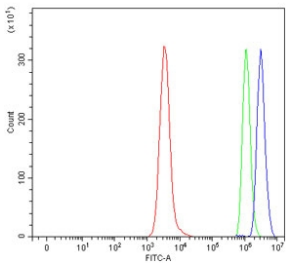
IHC staining of FFPE human breast cancer tissue with UBE2N antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



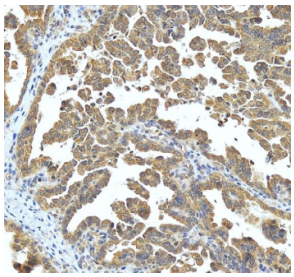
Immunofluorescent staining of FFPE human A549 cells with GNB1 antibody. HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human Daudi, 2) human MOLT4, 3) human RT4, 4) human HEL, 5) rat heart, 6) rat thymus, 7) rat C6, 8) mouse thymus, 9) mouse small intestine and 10) mouse NIH 3T3 cell lysate with UBE2N antibody. Predicted molecular weight ~17 kDa.



Flow cytometry testing of fixed and permeabilized human Daudi cells with UBE2N antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= UBE2N antibody.



IHC staining of FFPE human ovarian cancer tissue with UBE2N antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

UBE2N (Ubiquitin-conjugating enzyme E2 N) is a member of the E2 family of ubiquitin-conjugating enzymes that plays a pivotal role in protein ubiquitination. Unlike many E2 enzymes that mediate degradative ubiquitination, UBE2N is primarily involved in the synthesis of K63-linked polyubiquitin chains. These non-proteolytic chains regulate critical signaling pathways, including DNA repair, innate immunity, and signal transduction. A UBE2N antibody is widely used to investigate ubiquitin signaling and cellular stress responses.

UBE2N functions in concert with co-factors such as UBE2V1 and UBE2V2, which determine substrate specificity and chain linkage. Together, these complexes influence diverse cellular pathways. In the DNA damage response, UBE2N-mediated ubiquitination promotes the recruitment of repair proteins to sites of double-strand breaks. In immune signaling, it is essential for NF-kB activation downstream of receptors such as TNF and Toll-like receptors. Using a UBE2N antibody allows researchers to track its contribution to these regulatory mechanisms.

Alterations in UBE2N function have been implicated in cancer, inflammatory disorders, and neurodegenerative diseases. Because K63-linked ubiquitination affects processes such as autophagy, cell survival, and immune defense, dysregulation of UBE2N can have broad physiological consequences. Employing a UBE2N antibody helps researchers examine how this enzyme integrates ubiquitin signaling into cellular homeostasis and disease biology.

NSJ Bioreagents provides a high-quality UBE2N antibody validated for applications including western blot, immunoprecipitation, and immunohistochemistry. Choosing a UBE2N antibody from NSJ Bioreagents ensures reproducibility and accuracy in studies of ubiquitin signaling, DNA repair, and immune regulation.

Application Notes

Optimal dilution of the UBE2N antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q13-I152) was used as the immunogen for the UBE2N antibody.

Storage

After reconstitution, the UBE2N antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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