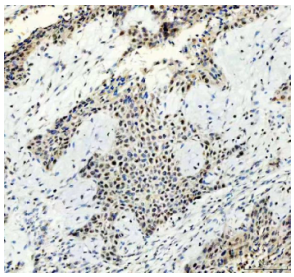
ATRIP Antibody / ATR-interacting protein [clone 26A07] (RQ8899)

Catalog No.	Formulation	Size
RQ8899	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

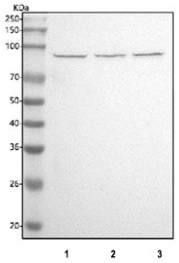
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	26A07
Purity	Affinity chromatography
UniProt	Q8WXE1
Localization	Nuclear
Applications	Western Blot : 1:500 Immunohistochemistry (FFPE) : 1:50
Limitations	This ATRIP antibody is available for research use only.



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



Western blot testing of human 1) PC-3, 2) HEL and 3) U-251 cell lysate with ATRIP antibody. Predicted molecular weight ~86 kDa.

Description

ATR-interacting protein (ATRIP) is a key regulator of the DNA damage response, functioning as an essential partner of the ATR kinase. ATRIP binds to replication protein A-coated single-stranded DNA and recruits ATR to sites of DNA damage or replication stress, initiating checkpoint signaling that maintains genome stability.

ATRIP plays a vital role in coordinating cell cycle arrest and DNA repair processes in response to genotoxic stress. Defects in ATRIP function can compromise DNA damage checkpoint activation, leading to genomic instability and contributing to developmental abnormalities and disease susceptibility.

Using a high-quality ATRIP antibody enables accurate detection in applications such as western blot, immunohistochemistry, and immunoprecipitation. An ATRIP antibody from NSJ Bioreagents ensures consistent and reproducible results for studies in DNA repair, replication stress, and checkpoint signaling. Selecting the right ATRIP antibody is critical for advancing research in genome maintenance and disease mechanisms.

Application Notes

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

Immunogen

A peptide sequence specific to ATR-interacting protein was used as the immunogen for the ATRIP antibody.

Storage

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