

NBN Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3273
Host	Mouse
Isotype	Mouse IgG2a
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human NBN (AA: 467-615) expressed in E. Coli.
Mol wt	85kDa
Species reactivity	Human,Rat
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	ATV;NBS;P95;NBS1;AT-V1;AT-V2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Mutations in this gene are associated with Nijmegen breakage syndrome, an autosomal recessive chromosomal instability syndrome characterized by microcephaly, growth retardation, immunodeficiency, and cancer predisposition. The encoded protein is a member of the MRE11/RAD50 double-strand break repair complex which consists of 5 proteins. This gene product is thought to be involved in DNA double-strand break repair and DNA damage-induced checkpoint activation.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

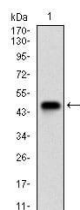
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

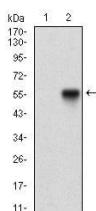
ELISA: 1:10000

Not yet tested in other applications.

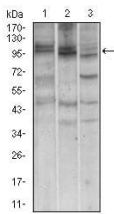
Images



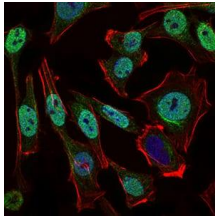
Western blot analysis using NBN mAb against human NBN (AA: 467-615) recombinant protein.
(Expected MW is 44.3 kDa)



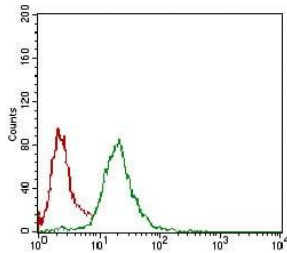
Western blot analysis using NBN mAb against HEK293 (1) and NBN (AA: 467-615)-hIgGfc transfected HEK293 (2) cell lysate.



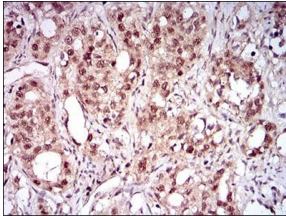
Western blot analysis using NBN mouse mAb against A549 (1), Jurkat (2) and PC-12 (3) cell lysate.



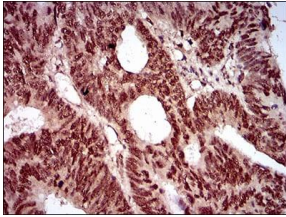
Immunofluorescence analysis of HeLa cells using NBN mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



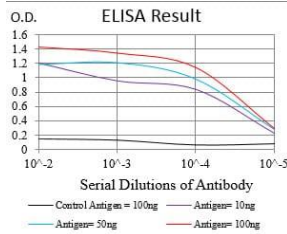
Flow cytometric analysis of HeLa cells using NBN mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using NBN mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using NBN mouse mAb with DAB staining.



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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