Anti-p95/NBS1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014218

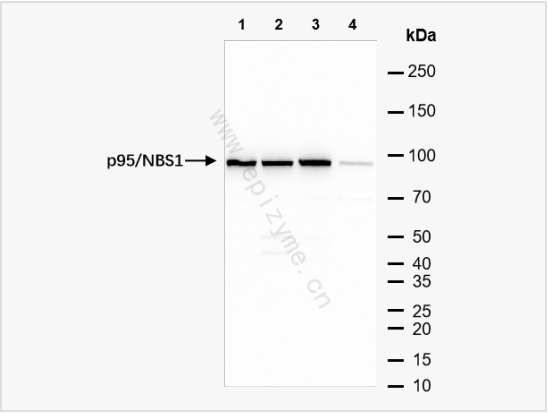
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	36T47K65
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human p95/NBS1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-p95/NBS1 Rabbit mAb [36T47K65] is for research use only and not for use in diagnostic or therapeutic procedures.

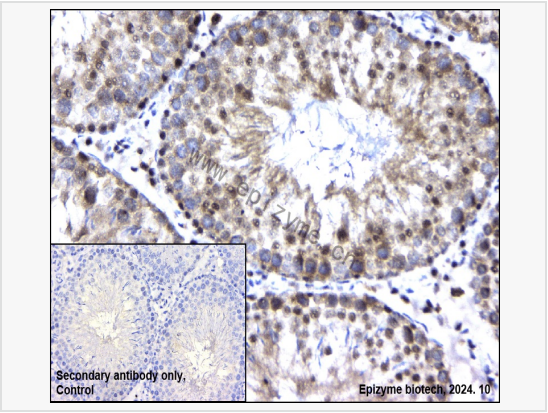
Protein Information

Synonyms	AT V1, AT V2, ATV, Cell cycle regulatory protein p95, FLJ10155, MGC87362, Nbn, NBN_HUMAN, NBS 1, NBS, NBS1, Nibrin, Nijmegen breakage syndrome 1 (nibrin), Nijmegen breakage syndrome, Nijmegen breakage syndrome protein 1, p95, p95 protein of the MRE11/RAD50 complex.
Calculated MW	Calculated MW: 85 kDa; Observed MW: 95 kDa
Uniprot ID	O60934
Gene ID	1683
Background	NBS1 is a member of the MRE11/RAD50 double-strand break repair complex. Involved in DNA double-strand break repair and DNA damage-induced checkpoint activation. Mutation results in the Nijmegen breakage syndrome (NBS), an autosomal recessive chromosomal instability syndrome.
Cellular Location	Nucleus. Nucleus, PML body. Chromosome, telomere. Localizes to discrete nuclear foci after treatment with genotoxic agents.
Tissue Location	Ubiquitous. Expressed at high levels in testis.

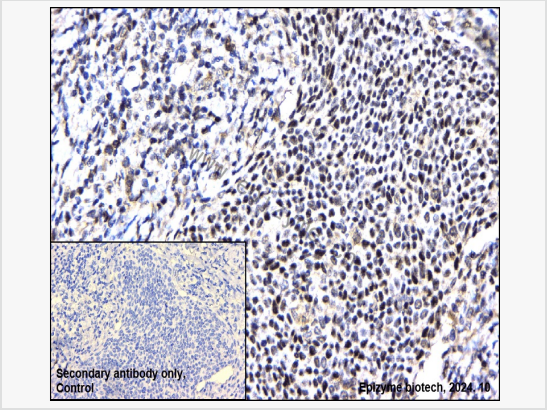
Validation Images



Western Blot - Anti-p95/NBS1 Rabbit mAb [36T47K65]
All lanes: R014218 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 3: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 4: Rat heart whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 85 kDa
Observed band size: 95 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-p95/NBS1 Rabbit mAb [36T47K65]
Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014217 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-p95/NBS1 Rabbit mAb [36T47K65]
Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014217 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.