

Nibrin (phospho-S343) polyclonal antibody

Catalog: BS4153

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The p95 gene (identical to NBS1 and nibrin) is a member of the hMre11/hRad50 double-strand break complex (MRN complex). This protein complex has been implicated in Nijmegen breakage syndrome, an autosomal recessive disorder marked by increased cancer incidence, cell cycle checkpoint deficits, and ionizing radiation sensitivity, thus revealing a direct molecular link between double-strand break repair and cell cycle checkpoint functions. In case of infection by adenovirus E4, the MRN complex is inactivated and degraded by viral oncoproteins, thereby preventing concatenation of viral genomes in infected cells. NBS1 is expressed ubiquitously and presents high levels in testis.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 95 kDa

Swiss-Prot:

O60934

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

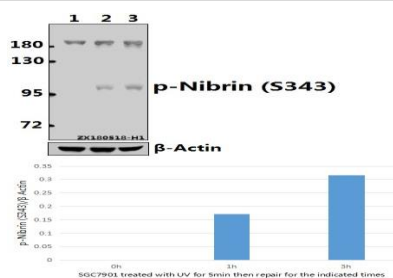
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

p-p95/NBS1 (S343) polyclonal antibody detects endogenous levels of p95/NBS1 protein when phosphorylated at Ser343.

DATA:

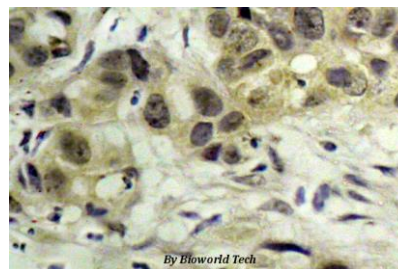


Western blot (WB) analysis of p-Nibrin (S343) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:HEK293T treated with UV for 5 minutes then repair for 1 hours whole cell lysate(40ug)

Lane3:HEK293T treated with UV for 5 minutes then repair for 3 hours whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-p95/NBS1 (S343) pAb in paraffin-embedded human tonsil tissue.

Note:

For research use only, not for use in diagnostic procedure.

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