Best Tools for immunology Research

p95/NBS1 (Phospho Ser343) rabbit pAb

Catalog No :	YP1430
Reactivity :	Human;Mouse
Applications :	WB
Target :	p95/NBS1
Fields :	>>Homologous recombination;>>Cellular senescence
Gene Name :	NBN NBS NBS1 P95
Protein Name :	p95/NBS1 (Ser343)
Human Gene Id :	4683
Human Swiss Prot No :	O60934
Mouse Gene Id :	27354
Mouse Swiss Prot No :	Q9R207
Rat Gene Id :	85482
Rat Swiss Prot No :	Q9JIL9
Immunogen :	Synthesized phosho peptide around human p95 (Ser343)
Specificity :	This antibody detects endogenous levels of Human Mouse p95 or NBS1 (phospho-Ser343)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000

Purification : The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 85kD

Cell Pathway : Homologous recombination;

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. [provided by RefSeq, Jul 2008],

Function : disease:Defects in NBN are a cause of genetic susceptibility to breast cancer (BC) [MIM:114480]. BC is an extremely common malignancy, affecting one in eight women during their lifetime. A positive family history has been identified as major contributor to risk of development of the disease, and this link is striking for early-onset breast cancer.,disease:Defects in NBN are the cause of Nijmegen breakage syndrome (NBS) [MIM:251260]. NBS is an autosomal recessive syndrome characterized by chromosomal instability, radiation sensitivity, microcephaly, growth retardation, immunodeficiency and predisposition to cancer, particularly to lymphoid malignancies.,disease:Defects in NBN may be associated with aplastic anemia [MIM:609135]. Aplastic anemia is a disease of bone-marrow failure characterized by peripheral pancytopenia and marrow hypoplasia. Most of the cases of aplastic anemia are idiopa

Subcellular Location : Nucleus . Nucleus, PML body . Chromosome, telomere . Chromosome . Localizes to discrete nuclear foci after treatment with genotoxic agents (PubMed:26438602, PubMed:10783165, PubMed:26215093). Acetylation of 'Lys-5' of histone H2AX (H2AXK5ac) promotes NBN/NBS1 assembly at the sites of DNA damage (PubMed:26438602). .

Expression : Ubiquitous (PubMed:9590180). Expressed at high levels in testis (PubMed:9590180).

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