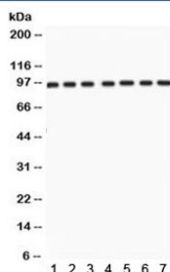


p95 NBS1 Antibody (R31829)

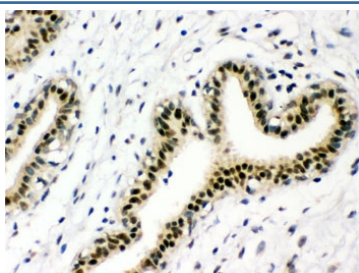
Catalog No.	Formulation	Size
R31829	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

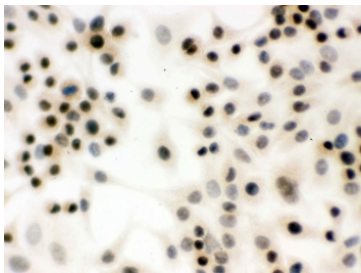
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	O60934
Localization	Nuclear
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml ICC (FFPE) : 0.5-1ug/ml
Limitations	This p95 NBS1 antibody is available for research use only.



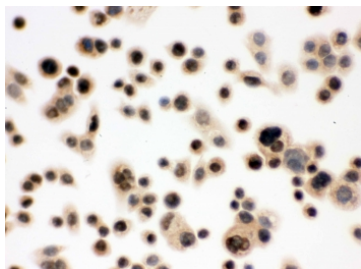
Western blot testing of 1) rat testis, 2) rat brain, 3) rat liver, 4) mouse testis, 5) human HeLa, 6) A431, and 7) HUT lysate with p95 NBS1 antibody. Predicted/observed molecular weight ~95 kDa.



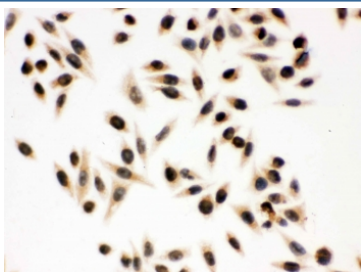
IHC testing of FFPE human breast cancer with p95 NBS1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



ICC testing of FFPE human A549 cells with p95 NBS1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



ICC testing of FFPE human SW480 cells with p95 NBS1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



ICC testing of FFPE human SMMC-7781 cells with p95 NBS1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

p95 NBS1, also known as NBS1, NBN or Nibrin, is a protein which in humans is encoded by the NBN gene. Nibrin is a protein associated with the repair of double strand breaks (DSBs) which pose serious damage to a genome. It is a 754 amino acid protein identified as a member of the NBS1/hMre11/RAD50 (N/M/R or MRN) double strand DNA break repair complex. This complex recognizes DNA damage and rapidly relocates to DSB sites and forms nuclear foci. It also has a role in regulation of N/M/R (MRN) protein complex activity which includes end-processing of both physiological and mutagenic DNA double strand breaks (DSBs).

Application Notes

Optimal dilution of the p95 NBS1 antibody should be determined by the researcher.

Immunogen

Amino acids RKNTELEEWLRQEMEVQNQHAKESLADDLFR of human p95 NBS1 were used as the immunogen for the p95 NBS1 antibody.

Storage

After reconstitution, the p95 NBS1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

