[KO Validated] Anti-Nibrin Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P100264

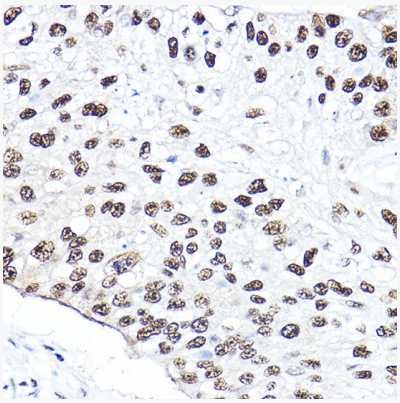
Product Information

Application	WB, IHC-P, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IHC-P 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 520-754 of human NBS1/NBN (NP_002476.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% 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-Nibrin Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

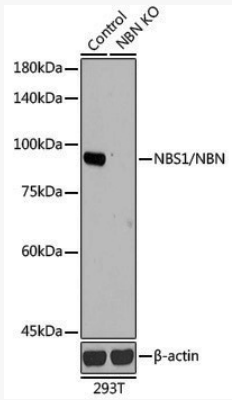
Protein Information

Synonyms	ATV; NBS; P95; NBS1; AT-V1; AT-V2; NBS1/NBN.
Calculated MW	Calculated MW: 85 kDa; Observed MW: 95 kDa/70 kDa
Uniprot ID	O60934
Gene ID	4683
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.

Validation Images



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using [KO Validated] NBS1/NBS1/NBN Rabbit pAb (P100264) at dilution of 1:50 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Western blot analysis of lysates from wild type (WT) and NBS1/NBS1/NBN knockout (KO) 293T cells, using [KO Validated] NBS1/NBN Rabbit pAb (P100264) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 90s.