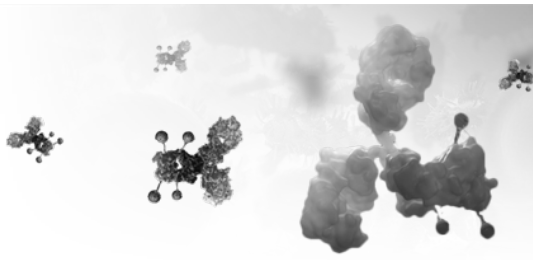

Rabbit Anti-NBN monoclonal antibody, clone TD16-79 (CABT-L694)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	p95 NBS1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TD16-79
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IP, FC, IHC, CHIP
Molecular Weight	95 kDa
Cellular Localization	Nucleus, Chromosome.
Positive Control	A431, Hela, human lung tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	DNA repair proteins are necessary for the maintenance of chromosome integrity and are involved in the elimination of premutagenic lesions from DNA. The DNA repair proteins Rad51 and Rad52 are key components of the double-strand-break repair (DSBR) pathway. Rad51 is essential for mitotic and meiotic recombination, and its mutation in yeast and mammalian cells results in chromosome loss. Overexpression of Rad52 confers resistance to ionizing radiation and induces homologous intrachromosomal recombination. Rad52 is thought to be involved in an early stage of Rad51-mediated recombination. Additional proteins involved in the pathway include Dmc1 and nibrin. Dmc1 is specifically involved in meiotic recombination. Nibrin, which complexes with Mre11 and Rad50, is absent in Nijemegen breakage syndrome (NBS) patients.
Keywords	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 antibody

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