

ARG45466 anti-p95 / NBS1 antibody [5D7A1]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes p95 / NBS1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	p95 / NBS1
Host	Mouse
Clonality	Monoclonal
Clone	5D7A1
Isotype	IgG2a
Target Name	p95 / NBS1
Species	Human
Immunogen	Synthetic peptide corresponding to C-terminal region of human p95 / NBS1.
Conjugation	Un-conjugated
Alternate Names	NBN; Nibrin; AT-V2; AT-V1; NBS1; ATV; NBS; Nijmegen Breakage Syndrome 1 (Nibrin); Cell Cycle Regulatory Protein P95; HNbs1; P95; P95 Protein Of The MRE11/RAD50 Complex; Nijmegen Breakage Syndrome Protein 1

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	95 kDa	

Properties

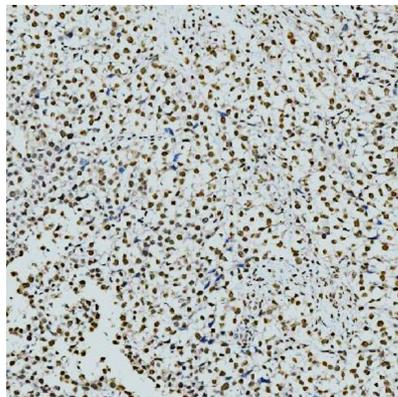
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

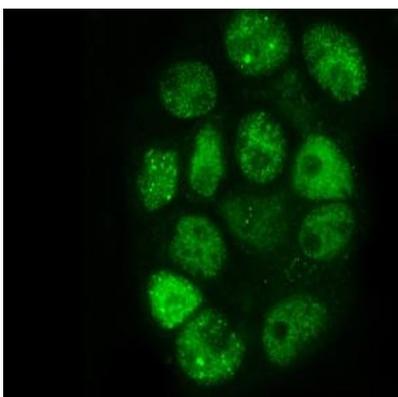
Gene Symbol	NBN
Gene Full Name	Nibrin
Background	Mutations in this gene are associated with Nijmegen breakage syndrome, an autosomal recessive chromosomal instability syndrome characterized by microcephaly, growth retardation, immunodeficiency, and cancer predisposition. The encoded protein is a member 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	Component of the MRN complex, which plays a central role in double-strand break (DSB) repair, DNA recombination, maintenance of telomere integrity and meiosis. [UniProt]
Calculated Mw	85 kDa
PTM	Isopeptide bond; Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Chromosome; Nucleus; Telomere. [UniProt]

Images



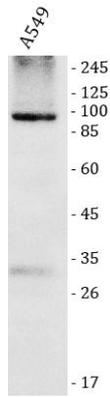
ARG45466 anti-p95 / NBS1 antibody [5D7A1] IHC-P image

Immunohistochemistry: Human testis cancer stained with ARG45466 anti-p95 / NBS1 antibody [5D7A1] at 2 µg/ml dilution.



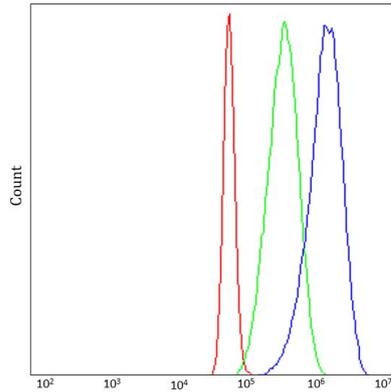
ARG45466 anti-p95 / NBS1 antibody [5D7A1] ICC/IF image

Immunofluorescence: A431 stained with ARG45466 anti-p95 / NBS1 antibody [5D7A1] at 5 µg/ml dilution.



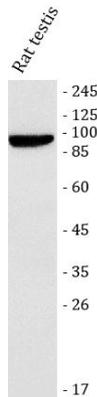
ARG45466 anti-p95 / NBS1 antibody [5D7A1] WB image

Western blot: A549 stained with ARG45466 anti-p95 / NBS1 antibody [5D7A1] at 0.5 $\mu\text{g/ml}$ dilution.



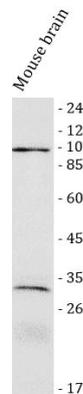
ARG45466 anti-p95 / NBS1 antibody [5D7A1] FACS image

Flow Cytometry: A431 stained with ARG45466 anti-p95 / NBS1 antibody [5D7A1] at 1 $\mu\text{g}/10^6$ cells dilution.



ARG45466 anti-p95 / NBS1 antibody [5D7A1] WB image

Western blot: Rat testis stained with ARG45466 anti-p95 / NBS1 antibody [5D7A1] at 0.5 $\mu\text{g/ml}$ dilution.



ARG45466 anti-p95 / NBS1 antibody [5D7A1] WB image

Western blot: Mouse brain stained with ARG45466 anti-p95 / NBS1 antibody [5D7A1] at 0.5 $\mu\text{g/ml}$ dilution.