

Anti-p95 NBS1 Antibody Picoband® (monoclonal, 5D7A1) Biotin Conjugated

Catalog Number: M00732-1-Biotin

About NBN

p95 NBS1, also known as 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, more commonly referred to as 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).

Overview

Product Name	Anti-p95 NBS1 Antibody Picoband® (monoclonal, 5D7A1) Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Monoclonal 5D7A1
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	O60934

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human p95 NBS1, different from the related mouse sequence by three amino acids, and from the related rat sequence by five amino acids.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2a
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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