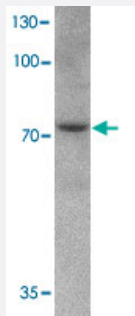


NBN polyclonal antibody

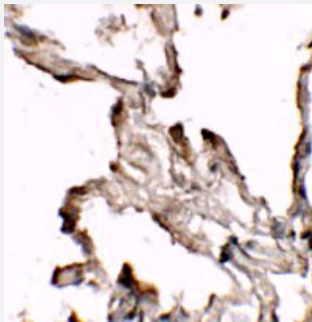
Catalog # PAB25489 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of mouse lung tissue lysate with NBN polyclonal antibody (Cat # PAB25489) at 1 ug/mL.



Immunohistochemistry

Immunohistochemical analysis of human lung tissue with NBN polyclonal antibody (Cat # PAB25489) at 2.5 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NBN.
Immunogen	A synthetic peptide corresponding to C-terminus of human NBN.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	Two alternatively spliced transcript isoforms of NIBRIN are known to exist.
Form	Liquid
Purification	Affinity purification

Concentration	1 mg/mL
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (2.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of mouse lung tissue lysate with NBN polyclonal antibody (Cat # PAB25489) at 1 ug/mL.

- Immunohistochemistry

Immunohistochemical analysis of human lung tissue with NBN polyclonal antibody (Cat # PAB25489) at 2.5 ug/mL.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NBN

Entrez GeneID	4683
Protein Accession#	NP_002476
Gene Name	NBN
Gene Alias	AT-V1, AT-V2, ATV, FLJ10155, MGC87362, NBS, NBS1, P95
Gene Description	nibrin
Omim ID	251260 602667
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

Nijmegen breakage syndrome 1 (nibrin)|cell cycle regulatory protein p95|p95 protein of the MRE11/RAD50 complex

Pathway

- [Homologous recombination](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Astrocytoma](#)
- [Ataxia telangiectasia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Central Nervous System Neoplasms](#)
- [Chromosomal Instability](#)
- [Chromosome Aberrations](#)
- [Chromosome Breakage](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)

- [Disease Progression](#)
- [DNA Damage](#)
- [DNA Repair-Deficiency Disorders](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genital Neoplasms](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hematologic Diseases](#)
- [Hematologic Neoplasms](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Malignant melanoma](#)
- [Medulloblastoma](#)
- [Melanoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)

- [Neoplasms](#)
- [Neuroma](#)
- [Nijmegen Breakage Syndrome](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Parkinson disease](#)
- [Polycystic Ovary Syndrome](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Syndrome](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)