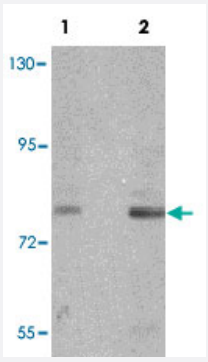
# NBN polyclonal antibody

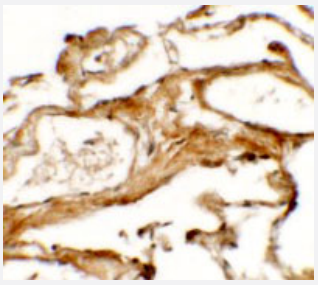
Catalog # PAB25488 Size 100 ug

## Applications




### Western Blot (Tissue lysate)

Western blot analysis of rat lung tissue lysate with NBN polyclonal antibody (Cat # PAB25488) at (1) 1 and (2) 2 ug/mL.



### Immunohistochemistry

Immunohistochemical anyalysis of human lung tissue with NBN polyclonal antibody (Cat # PAB25488) at 2.5 ug/mL.

## Specification

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|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of NBN. |
| **Immunogen** | A synthetic peptide corresponding to N-terminus of human NBN. |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Specificity** | At least three alternatively spliced transcript isoforms of NIBRIN are known to exist. |
| **Form** | Liquid |

| | |
|---|---|
| **Purification** | Affinity purification |
| **Concentration** | 1 mg/mL |
| **Recommend Usage** | Western Blot (1-2 ug/mL)<br>Immunohistochemistry (2.5 ug/mL)<br>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.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Western Blot (Tissue lysate)

  Western blot analysis of rat lung tissue lysate with NBN polyclonal antibody (Cat # PAB25488) at (1) 1 and (2) 2 ug/mL.

- Immunohistochemistry

  Immunohistochemical anyalysis of human lung tissue with NBN polyclonal antibody (Cat # PAB25488) 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