**[KO Validated] NBN Polyclonal Antibody**

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>A0783</th>
<th>Category</th>
<th>Polyclonal Antibodies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applications</td>
<td>WB</td>
<td>Observed MW</td>
<td>110kDa</td>
</tr>
<tr>
<td>Cross-reactivity</td>
<td>Human, Mouse</td>
<td>Calculated MW</td>
<td>84kDa</td>
</tr>
</tbody>
</table>

### Immunogen Information

**Immunogen**
Recombinant fusion protein containing a sequence corresponding to amino acids 435-754 of human NBN (NP_002476.2).

**Gene ID**
4683

**Swiss prot**
O60934

**Synonyms**
NBN; AT-V1; AT-V2; ATV; NBS; NBS1; P95; nibrin

### Product Information

**Source**
Rabbit

**Isotype**
IgG

**Purification method**
Affinity purification

**Storage**
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### 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.

### Recommended Dilutions

**WB**
1:500 - 1:1000

Western blot - [KO Validated] NBN Polyclonal Antibody (A0783)

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