**[KO Validated] NBN Polyclonal Antibody**

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<th>A0783</th>
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<td>Applications</td>
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<td>Observed MW</td>
<td>110kDa</td>
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<td>Cross-reactivity</td>
<td>Human, Mouse</td>
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<td>84kDa</td>
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### 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)](image)

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