

# BEND3 Rabbit pAb

Catalog # AP97587

## Product Information

---

|                            |                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>         | IHC-P, IHC-F, IF                                                                                                          |
| <b>Primary Accession</b>   | <a href="#">Q5T5X7</a>                                                                                                    |
| <b>Other Accession</b>     | <a href="#">Q5T5X7</a>                                                                                                    |
| <b>Reactivity</b>          | Mouse                                                                                                                     |
| <b>Predicted</b>           | Rat, Human, Rabbit, Horse, Sheep                                                                                          |
| <b>Host</b>                | Rabbit                                                                                                                    |
| <b>Clonality</b>           | Polyclonal                                                                                                                |
| <b>Calculated MW</b>       | 94475                                                                                                                     |
| <b>Physical State</b>      | Liquid                                                                                                                    |
| <b>Immunogen</b>           | KLH conjugated synthetic peptide derived from human BEND3                                                                 |
| <b>Epitope Specificity</b> | 501-600/828                                                                                                               |
| <b>Isotype</b>             | IgG                                                                                                                       |
| <b>Purity</b>              | affinity purified by Protein A                                                                                            |
| <b>Buffer</b>              | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                         |
| <b>SIMILARITY</b>          | Contains 4 BEN domains.                                                                                                   |
| <b>Important Note</b>      | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

## Additional Information

---

|                    |                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 57673                                                                                                                                                                                           |
| <b>Other Names</b> | KIAA1553; BEND3_HUMAN; BEND3; BEN domain containing 3; BANP, E5R, and Nac1 (BEN) domain 3                                                                                                       |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500                                                                                                                                                    |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

---

|                 |                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>     | BEND3                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b> | KIAA1553                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Function</b> | Transcriptional repressor which associates with the NoRC (nucleolar remodeling complex) complex and plays a key role in repressing rDNA transcription. The sumoylated form modulates the stability of the NoRC complex component BAZ2A/TIP5 by controlling its USP21-mediated deubiquitination (PubMed: <a href="#">21914818</a> , PubMed: <a href="#">26100909</a> ). Binds to |

unmethylated major satellite DNA and is involved in the recruitment of the Polycomb repressive complex 2 (PRC2) to major satellites (By similarity). Stimulates the ERCC6L translocase and ATPase activities (PubMed:[28977671](#)).

**Cellular Location**

Nucleus. Nucleus, nucleolus. Note=In the nucleus, observed in heterochromatic foci containing CBX1, CBX3, CBX5 and histone H3 trimethylated at 'Lys-9'. Released from chromatin during decondensation. Association with heterochromatin does not depend on sumoylation.

**Tissue Location**

Expressed at least in heart, kidney, liver, ovary and spleen, with highest levels in spleen and lowest in heart Expressed on the surface of T-cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.