

**BEND3 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16612b****Specification**

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**BEND3 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q5T5X7](#)**BEND3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 57673**Other Names**

BEN domain-containing protein 3, BEND3, KIAA1553

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**BEND3 Antibody (C-term) Blocking Peptide - Protein Information****Name** BEND3**Synonyms** KIAA1553**Function**

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="http://www.uniprot.org/citations/21914818" target="\_blank">21914818</a>, PubMed:<a href="http://www.uniprot.org/citations/26100909" target="\_blank">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:<a href="http://www.uniprot.org/citations/28977671" target="\_blank">28977671</a>).

**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.

### **BEND3 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **BEND3 Antibody (C-term) Blocking Peptide - Images**

### **BEND3 Antibody (C-term) Blocking Peptide - References**

Vertegaal, A.C., et al. Mol. Cell Proteomics 5(12):2298-2310(2006)Olsen, J.V., et al. Cell 127(3):635-648(2006)Strausberg, R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903(2002)