

BEND3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16612b

Product Information

Application	WB, E
Primary Accession	Q5T5X7
Other Accession	Q6PAL0 , NP_001073919.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35915
Calculated MW	94475
Antigen Region	629-657

Additional Information

Gene ID	57673
Other Names	BEN domain-containing protein 3, BEND3, KIAA1553
Target/Specificity	This BEND3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 629-657 amino acids from the C-terminal region of human BEND3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	BEND3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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:[21914818](#), PubMed:[26100909](#)). 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.

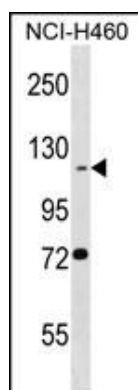
References

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)

Images



BEND3 Antibody (C-term) (Cat. #AP16612b) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the BEND3 antibody detected the BEND3 protein (arrow).

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