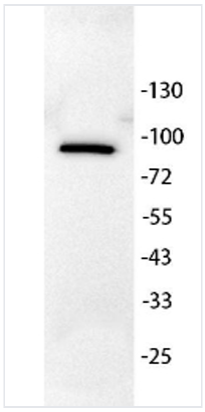
BEND3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BEND3, Polyclonal Antibody
Full Product Name	BEND3 Polyclonal Antibody
Product Gene Name	anti-BEND3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	This antibody detects endogenous levels of BEND3 at Human, Mouse
Preparation and Storage	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecular Weight	91 kD
3D Structure	ModBase 3D Structure for Q5T5X7
Immunogen	Synthesized peptide derived from human BEND3
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 . 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.
Subcellular Location	Nucleus . Nucleus, nucleolus . 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.
Expression	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.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BEND3 antibody	Western Blot (WB)
Application Notes for anti-BEND3 antibody	WB: 1:500-1:2000
Related Product Information for anti-BEND3 antibody	MBS8573844 is an antibody targeting BEND3. Also known as BEND3 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-BEND3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot of anti-BEND3 antibody
Western blot analysis of BEND3 in Evsa-T cells lysates using BEND3 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BEND3. It may not necessarily be applicable to this product.

NCBI GI #	122937295
NCBI GeneID	57673
NCBI Accession #	NP_001073919.1
UniProt Primary Accession #	Q5T5X7
UniProt Related Accession #	Q5T5X7
GenBank Nucleotide #	NP_001073919.1
NCBI Official Full Name	BEN domain-containing protein 3
NCBI Official Synonym Full Names	BEN domain containing 3
NCBI Official Symbol	BEND3
NCBI Official Synonym Symbols	KIAA1553
UniProt Protein Name	BEN domain-containing protein 3
Protein Family	BEN domain-containing protein
UniProt Gene Name	BEND3
UniProt Synonym Gene Names	KIAA1553
UniProt Entry Name	BEND3_HUMAN
NCBI Protein Information	BEN domain-containing protein 3
Research Articles on BEND3	**1.** Data indicate BEND3 as a new interaction partner for PICH in mitosis, and have defined the residues within a TPR-BEN domain interface that mediate this interaction.
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