

Product Datasheet

HOXB13 Antibody - BSA Free

NBP2-43655

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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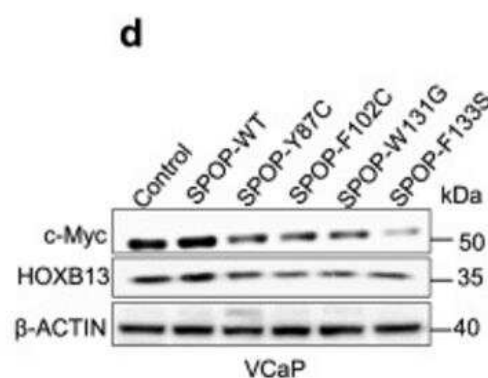
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	31 kDa

Product Description	
Host	Rabbit
Gene ID	10481
Gene Symbol	HOXB13
Species	Human, Mouse
Immunogen	Recombinant protein encompassing a sequence within the center region of human HOXB13. The exact sequence is proprietary.

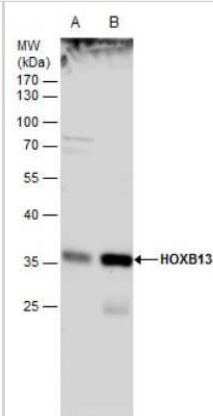
Product Application Details	
Applications	Western Blot, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500-1:3000, Immunoprecipitation 1:100-1:500, Chromatin Immunoprecipitation (ChIP)

Images

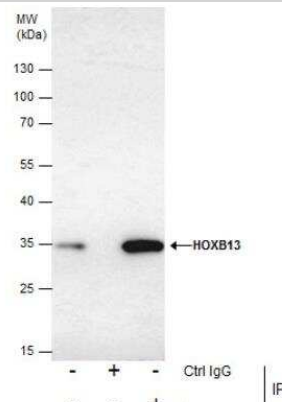
Western Blot: HOXB13 Antibody [NBP2-43655] - Immunoblot of VCaP cells overexpressing the indicated SPOP (ubiquitin ligase adaptor) species. Protein expression changes were normalized to B-ACTIN and Control cell line, (n = 2). Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/33531470>) licensed under a CC-BY license.



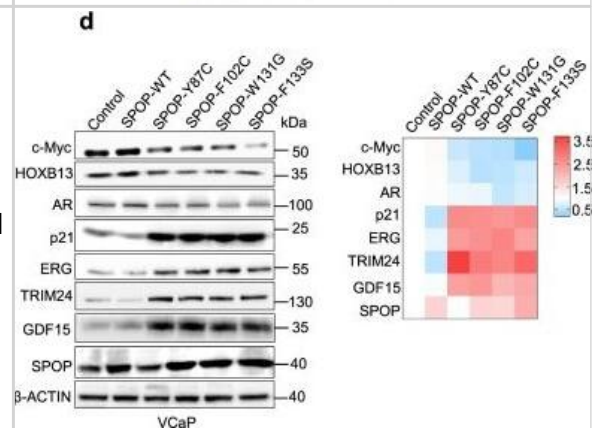
Western Blot: HOXB13 Antibody [NBP2-43655] - Analysis of A. 30 ug PC-3 whole cell extract B. 30 ug PC-3 nuclear extract 12 % SDS-PAGE HOXB13 antibody dilution: 1:1000.



Immunoprecipitation: HOXB13 Antibody [NBP2-43655] - HOXB13 protein from PC-3 nuclear extracts using 5 ug of HOXB13 antibody. Western blot analysis was performed using HOXB13 antibody. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



Western Blot: HOXB13 Antibody [NBP2-43655] - Genetic alterations in SPOP & ERG are synthetic sick. a Distribution of genetic alterations in SPOP & ERG across 333 primary prostate cancers in TCGA database^{3,8,9}. b 3D growth of mouse prostate epithelial organoids derived from C57BL/6 mice over-expressing the indicated SPOP & ERG species (bar represents 20 μ m) (n = 3, technical replicates). Representative bright-field pictures & hematoxylin & eosin (H&E) stained sections are shown. c In vivo growth of VCaP xenografts over-expressing the indicated SPOP species in immune-compromised mice (each group, n = 10). d Immunoblot of VCaP cells overexpressing the indicated SPOP species & corresponding quantification of the indicated protein levels depicted as a heatmap. Protein expression changes were normalized to β -ACTIN & Control cell line, (n = 2). e Tumor growth kinetics of xenografts established from LuCaP-147 PDX (SPOP-Y83C) stably overexpressing Δ ERG or Control vector (each group, n = 10). Corresponding immunoblot & quantification are depicted as a heatmap. Protein expression changes were normalized to Vinculin (VCL) & Control cell line. f Dose-response curve of VCaP cells overexpressing the indicated SPOP species & treated with the ETS-inhibitor YK-4-279. All error bars, mean + s.e.m. P-values were determined by one-way ANOVA (b) or two-way ANOVA (c, e, f) with multiple comparisons & adjusted using Benjamini-Hochberg post-test ****P < 0.0001. Molecular weights are indicated in kilodaltons (kDa). Source data are provided as a Source Data File. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/33531470/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Bernasocchi, T, El Tekle, G Et al. Dual functions of SPOP and ERG dictate androgen therapy responses in prostate cancer. Nat Commun 2021-02-02 [PMID: 33531470] (IF/IHC, Mouse)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-43655

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-23125	Recombinant Human HOXB13 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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