

Product Datasheet

HOXB13 Antibody - BSA Free

NBP2-43655

Unit Size: 0.1 ml

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

www.novusbio.com



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Updated 9/25/2025 v.20.1

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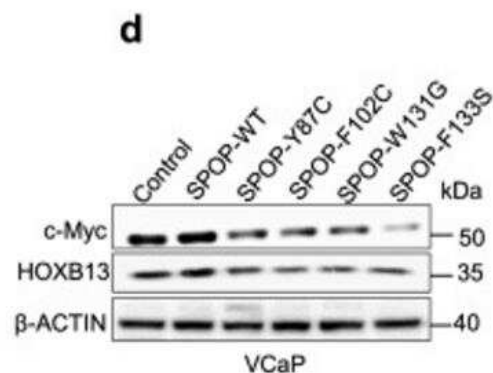
NBP2-43655

HOXB13 Antibody - BSA Free

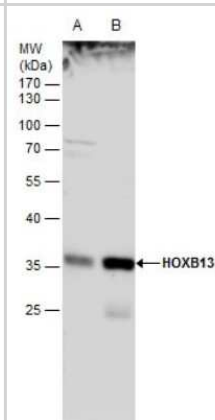
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	31 kDa
Product Description	
Description	Novus Biologicals Rabbit HOXB13 Antibody - BSA Free (NBP2-43655) is a polyclonal antibody validated for use in WB, IP and CHIP. Anti-HOXB13 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
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

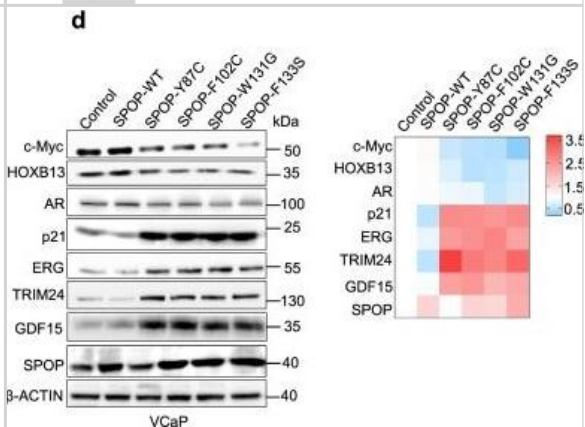
Western Blot: HOXB13 Antibody [NBP2-43655] - Immunoblot of VCaP cells overexpressing the indicated SPOP (ubiquitin ligase adaptor) species. Protein expression changes were normalized to B-ACTIN and Control cell line, (n = 2). Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/33531470>)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



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 μm) (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 ΔERG 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)



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Products Related to NBP2-43655

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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