

Product Datasheet

Smad4 Antibody (6B4D6)

NBP3-15673-100ul

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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NBP3-15673-100ul

Smad4 Antibody (6B4D6)

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6B4D6
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol, 0.05% BSA
Target Molecular Weight	60 kDa

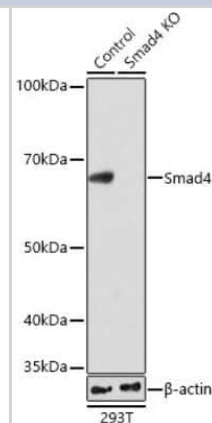
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit Smad4 Antibody (6B4D6) (NBP3-15673) is a recombinant monoclonal antibody validated for use in IHC, WB, ELISA, IP and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4089
Gene Symbol	SMAD4
Species	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 320-552 of human Smad4 (NP_005350.1). PEYWCSIAFYFEMDVQVGETFKVPSSCPIVTVDG YVDPSSGGDRFCLGQLSNVH RTEAIERARLHIGKGVQLECKGEGDVWRCLSDHAVFVQSYLDREAGRPG DAVHKIYPSAYIKVFDLRQCHRQMQQQAATAQAAAAAQA AAVAGNIPGPGSVG GIAPAISLSAAAGIGVDDLRLRCILRMSFVKGWGPDYPRQSIKETPCWIEIHLHR ALQLLDEVLHTMPIADPQPLD

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Knockout Validated
Recommended Dilutions	Western Blot 1:1000 - 1:6000, ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements., Immunohistochemistry 1:500 - 1:2000, Immunoprecipitation 0.5ug-4ug antibody for 200µg-400µg extracts of whole cells, Immunohistochemistry-Paraffin 1:500 - 1:2000, Chromatin Immunoprecipitation (ChIP) 5ug antibody for 10µg-15µg of Chromatin, Knockout Validated

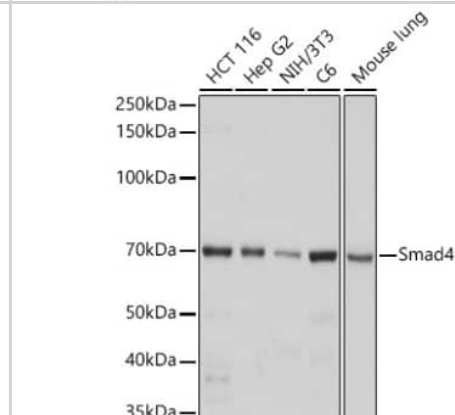


Images

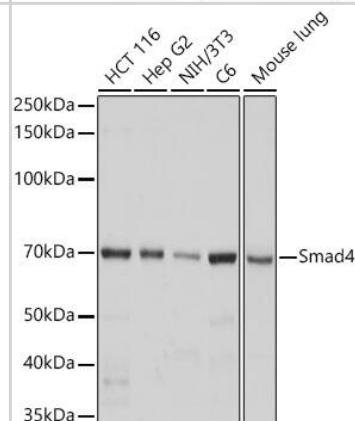
Western Blot: Smad4 Antibody (1H7D3) [NBP3-15673] - Western blot analysis of extracts from normal (control) and Smad4 knockout (KO) 293T cells, using Smad4 antibody (NBP3-15673) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



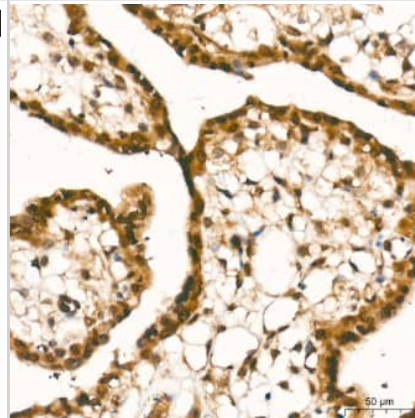
Western Blot: Smad4 Antibody (1H7D3) [NBP3-15673] -Analysis of various lysates using [KO Validated] Smad4 Rabbit mAb at 1:1000 dilution incubated overnight at 4c. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3s.



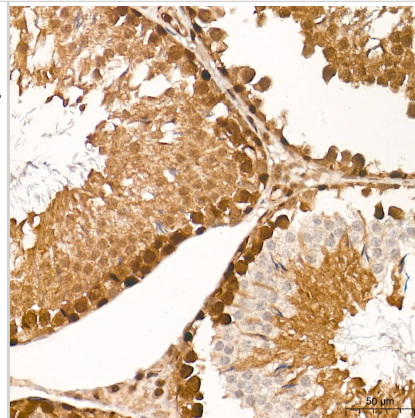
Western Blot: Smad4 Antibody (6B4D6) [Smad4] - Western blot analysis of various lysates using [KO Validated] Smad4 Rabbit mAb at 1:1000 dilution incubated overnight at 4C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 3s.



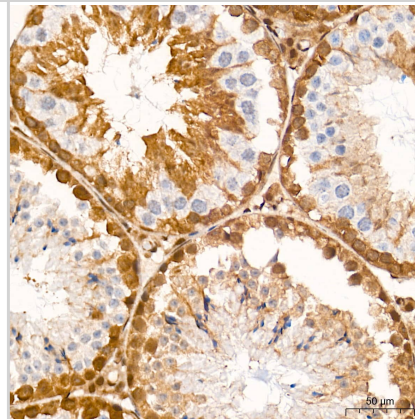
Immunohistochemistry-Paraffin: Smad4 Antibody (1H7D3) [NBP3-15673] - Analysis of paraffin-embedded Human placenta tissue using [KO Validated] Smad4 Rabbit mAb at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



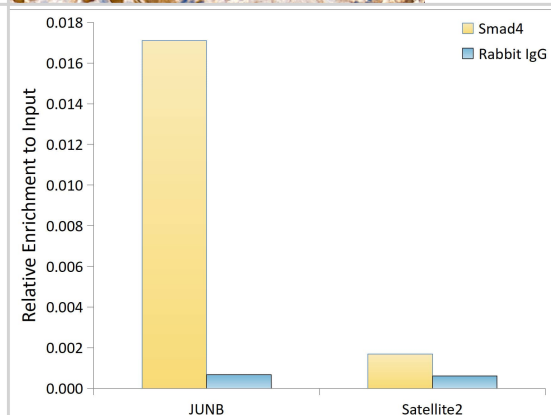
Immunohistochemistry: Smad4 Antibody (6B4D6) [Smad4] - Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using [KO Validated] Smad4 Rabbit mAb at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



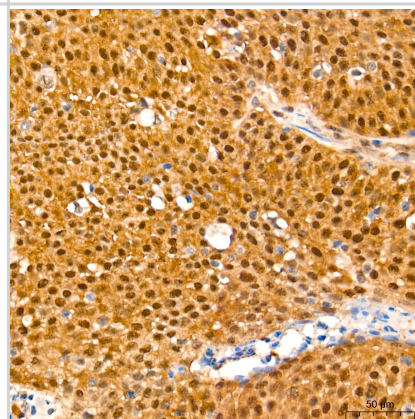
Immunohistochemistry: Smad4 Antibody (6B4D6) [Smad4] - Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using [KO Validated] Smad4 Rabbit mAb at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



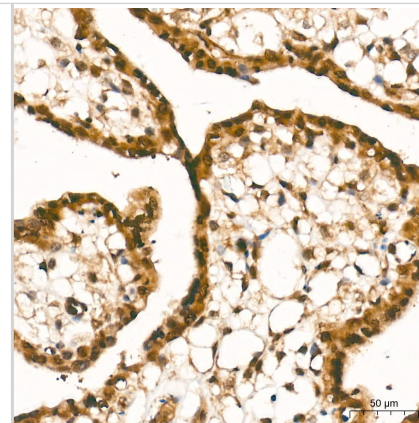
Chromatin Immunoprecipitation: Smad4 Antibody (6B4D6) [Smad4] - Chromatin immunoprecipitation analysis of extracts of HepG2 cells, using [KO Validated] Smad4 Rabbit mAb and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Immunohistochemistry: Smad4 Antibody (6B4D6) [Smad4] - Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using [KO Validated] Smad4 Rabbit mAb at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry: Smad4 Antibody (6B4D6) [Smad4] -
Immunohistochemistry analysis of paraffin-embedded Human placenta
tissue using [KO Validated] Smad4 Rabbit mAb at a dilution of 1:500
(40x lens). High pressure antigen retrieval performed with 0.01M Tris-
EDTA Buffer (pH 9.0) prior to IHC staining.





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Products Related to NBP3-15673-100ul

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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