Product Datasheet

NSD3 Antibody
NBP1-04991

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Reviews: 1 Publications: 1

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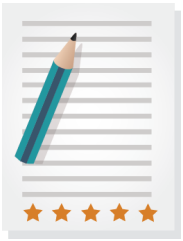
Updated 3/30/2022 v.20.1



NBP1-04991

NSD3 Antibody

Product Information

Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	70 kDa

Product Description

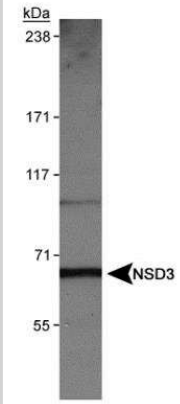
Host	Rabbit
Gene ID	54904
Gene Symbol	WHSC1L1
Species	Human
Specificity/Sensitivity	This has been observed to recognize a band that corresponds to isoform 3 of NSD3.
Immunogen	Synthetic peptide made to an internal portion of the human NSD3 protein (within residues 500-600). [Swiss-Prot# Q9BZ95]

Product Application Details

Applications	Western Blot, ICC/IF (Negative)
Recommended Dilutions	Western Blot 1 ug/ml, ICC/IF (Negative)
Application Notes	This NSD3 antibody is useful for Western blot, where a band is seen at ~70 kDa corresponding to isoform 3 of NSD3. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

Western Blot: NSD3 Antibody [NBP1-04991] - Detection of NSD3 (isoform 3) in HeLa nuclear extracts using NBP1-04991.



Publications

Yang ZQ, Liu G, Bollig-Fischer A et al. Transforming properties of 8p11-12 amplified genes in human breast cancer Cancer Res 2010-11-01 [PMID: 20940404] (WB, Human)

Procedures

Serum protocol for NSD3 Antibody (NBP1-04991)
NSD3 Antibody: https://www.novusbio.com/products/nsd3-antibody_nbp1-04991
Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 25 ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Rinse membrane with dH2O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% BSA in TBS + Tween, 1 hour at RT.
6. Rinse the membrane in dH2O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
7. Dilute the rabbit anti-NSD3 primary antibody (NBP1-04991) in blocking buffer and incubate 1 hour at room temperature.
8. Rinse the membrane in dH2O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce ECL).

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.

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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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