

Product Datasheet

JMJD2D Antibody **NBP1-03357SS**

Unit Size: 0.025 ml

Store at 4C. Do not freeze.

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NBP1-03357SS

JMJD2D Antibody

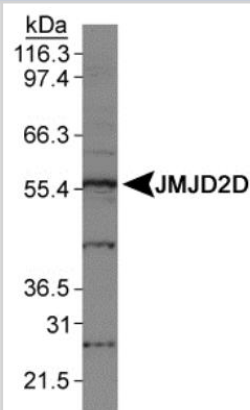
Product Information	
Unit Size	0.025 ml
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Purity	Immunogen affinity purified
Buffer	Tris-citrate/phosphate, pH 7-8
Target Molecular Weight	55 kDa

Product Description	
Host	Rabbit
Gene ID	55693
Gene Symbol	KDM4D
Species	Human
Species Reactivity	Human. Immunogen sequence has 92% homology to monkey.
Immunogen	Synthetic peptide made to a C-terminal portion of the human JMJD2D protein (within residues 460-520). [Swiss-Prot# Q6B0I6]

Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, ICC/IF (Negative)
Recommended Dilutions	Chromatin Immunoprecipitation, ICC/IF (Negative), Western Blot 0.2 ug/ml
Application Notes	This JMJD2D antibody is useful for Western blot, where a band is seen at ~55 kDa. Chromatin Immunoprecipitation was reported in scientific literature. This antibody is not useful for ICC/IF.

Images

Western Blot: JMJD2D Antibody [NBP1-03357] - Detection of JMJD2D in HeLa nuclear extracts using NBP1-03357.

**Publications**

Luo W, Chang R, Zhong J et al. Histone demethylase JMJD2C is a coactivator for hypoxia-inducible factor 1 that is required for breast cancer progression Proc Natl Acad Sci U S A 2012 Dec 4 [PMID: 23129632] (ChIP, Human)

Procedures

Protocol specific for JMJD2D Antibody (NBP1-03357)

Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 30 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-JMJD2D primary antibody (NBP1-03357) 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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

