

Product Datasheet

KDM2A/FBXL11 Antibody NB100-74602

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB100-74602

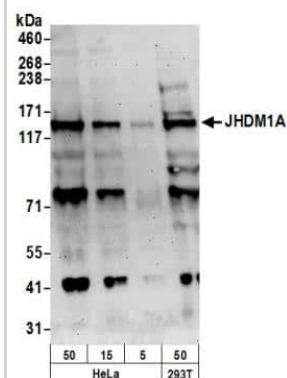
KDM2A/FBXL11 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA
Target Molecular Weight	133 kDa
Product Description	
Host	Rabbit
Gene ID	22992
Gene Symbol	KDM2A
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 825 and 875 of human JmjC domain-containing histone demethylation protein 1A using the numbering given in entry NP_036440.1 (GeneID 22992).
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:100-1:500, Chromatin Immunoprecipitation (ChIP)
Application Notes	Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. Use in chromatin immunoprecipitation reported in scientific literature (PMID: 30132864). KDM2A/FBXL11 antibody validated for IHC-P from a verified customer review.

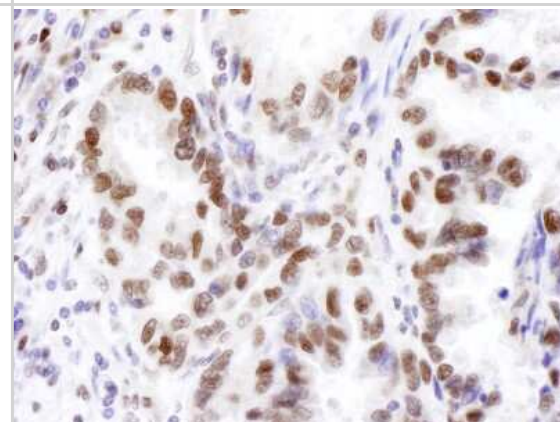


Images

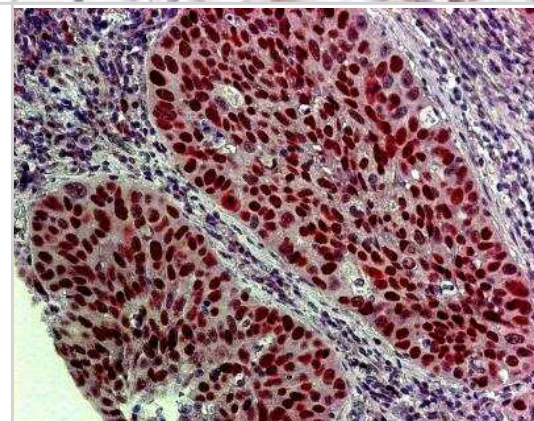
Western Blot: KDM2A/FBXL11 Antibody [NB100-74602] - Detection of Human JHDM1A by Western Blot. Samples: Whole cell lysate from HeLa (50, 15, 5 ug) and 293T (50 ug) cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-JHDM1A antibody NB100-74602 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



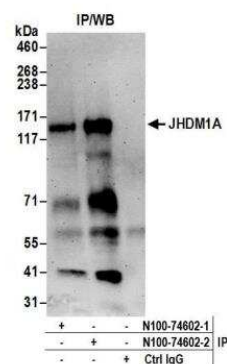
Immunohistochemistry-Paraffin: KDM2A/FBXL11 Antibody [NB100-74602] - Section of human lung cancer. Antibody: Affinity purified rabbit anti- JHDM1A used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



Immunohistochemistry-Paraffin: KDM2A/FBXL11 Antibody [NB100-74602] - Analysis of human lung tumor tissue using anti-KDM2A antibody. Image submitted by a verified customer review.



Immunoprecipitation: KDM2A/FBXL11 Antibody [NB100-74602] - Detection of human JHDM1A by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-JHDM1A antibody NB100-74602 (lot NB100-74602-2) used for IP at 6 ug per reaction. JHDM1A was also immunoprecipitated by a previous lot of this antibody (lot NB100-74602-1). For blotting immunoprecipitated JHDM1A, NB100-74602 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Publications

Chen JK, Merrick KA, Kong YW et al. An RNA damage response network mediates the lethality of 5-FU in colorectal cancer. *Cell reports. Medicine* 2024-10-16 [PMID: 39378883]

Chen JK, Merrick KA, Kong YW et al. An RNA Damage Response Network Mediates the Lethality of 5-FU in Clinically Relevant Tumor Types *bioRxiv : the preprint server for biology* 2023-04-29 [PMID: 37162991] (Block/Neutralize)

D'Amore C, Borgo C, Bosello Travain V, Salvi M KDM2A and KDM3B as Potential Targets for the Rescue of F508del-CFTR *International Journal of Molecular Sciences* 2022-08-25 [PMID: 36077010] (WB, KD, Human)

Lu B, Wei J, Zhou H et al. Histone H3K36me2 demethylase KDM2A promotes bladder cancer progression through epigenetically silencing RARRES3 *Cell death & disease* 2022-06-13 [PMID: 35697678] (Chemotaxis, Human)

Ou R, Zhu L, Zhao L et al. HPV16 E7-induced upregulation of KDM2A promotes cervical cancer progression by regulating miR-132-radixin pathway *J. Cell. Physiol.* 2018-08-21 [PMID: 30132864] (Chemotaxis, Human)

Dhar Shilpa S, Alam Hunain, Li Na et al. Transcriptional repression of histone deacetylase 3 by the histone demethylase KDM2A is coupled to tumorigenicity of lung cancer cells. *J Biol Chem.* 2014-03-14 [PMID: 24482232]

Wagner KW, Alam H, Dhar SS et al. KDM2A promotes lung tumorigenesis by epigenetically enhancing ERK1/2 signaling. *J Clin Invest* 2013-12-02 [PMID: 24200691] (WB, Human)





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Products Related to NB100-74602

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-78305PEP	KDM2A/FBXL11 Antibody Blocking Peptide

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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