

Product Datasheet

KMT2A/MLL Antibody - BSA Free NB600-248

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB600-248**KMT2A/MLL Antibody - BSA Free**

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

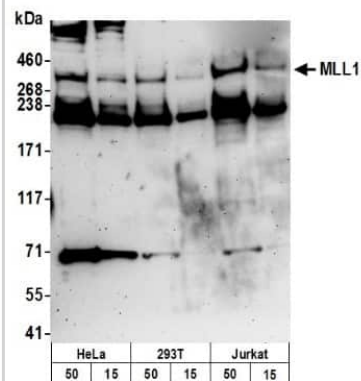
Product Description	
Description	Novus Biologicals Rabbit KMT2A/MLL Antibody - BSA Free (NB600-248) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-KMT2A/MLL Antibody: Cited in 29 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4297
Gene Symbol	KMT2A
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 31786140).
Immunogen	The immunogen recognized by this antibody maps to a region between residues 720 and 780 of human myeloid/lymphoid or mixed-lineage leukemia 1 using the number given in Swiss-Prot entry Q03164 (GeneID 4297).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:5000, Immunohistochemistry, Immunoprecipitation 2 - 10 ug/mg of lysate, Immunohistochemistry-Paraffin 1:100-1:250
Application Notes	Use in IHC-P reported in scientific literature (PMID: 27396339).

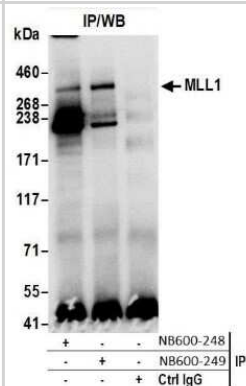


Images

Western Blot: KMT2A/MLL Antibody [NB600-248] - Samples: Nuclear extract (50 and 15 ug) from HeLa, 293T, and Jurkat cells. Antibody: Affinity purified rabbit anti-MLL1 antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunoprecipitation: KMT2A/MLL Antibody [NB600-248] - Samples: Nuclear Extract (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-MLL1 antibody NB600-248 used for IP at 6 ug per reaction. MLL1 was also immunoprecipitated by rabbit anti-MLL1 antibody NB600-249. For blotting immunoprecipitated MLL1, NB600-248 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



Publications

Oelschläger L, Stahl P, Kaschani F et al. Taspase1 Facilitates Topoisomerase II?-Mediated DNA Double-Strand Breaks Driving Estrogen-Induced Transcription Cells 2023-01-18 [PMID: 36766705]

Tianyu Zou, Kazuo Sugimoto, Yu Zhao, Baitao Li, Xiaomao Zhou, Cheng Peng Zhiqi decoction mitigates depression by enhancing lncRNA Six3os1 expression and promoting histone H3K4 methylation at the BDNF promoter Journal of Cellular and Molecular Medicine 2024-05-31 [PMID: 38818577]

Zhu G, Luo H, Feng Y et al. HOXBLINE long non-coding RNA activation promotes leukemogenesis in NPM1-mutant acute myeloid leukemia Nature communications 2021-03-29 [PMID: 33782403] (RIP, Chemotaxis, Human)

Luo H, Zhu G, Xu J et al. HOTTIP lncRNA Promotes Hematopoietic Stem Cell Self-Renewal Leading to AML-like Disease in Mice Cancer Cell 2019-11-27 [PMID: 31786140] (Mouse)

Barrett NA, Malouf C, Kapeni C et al. Mll-AF4 Confers Enhanced Self-Renewal and Lymphoid Potential during a Restricted Window in Development Cell Rep 2016-07-26 [PMID: 27396339] (IHC-P)

Shore AN, Kabotyanski EB, Roarty K et al. Pregnancy-induced noncoding RNA (PINC) associates with polycomb repressive complex 2 and regulates mammary epithelial differentiation. PLoS Genet 2012-01-01 [PMID: 22911650]

Liu X, Qu X, Chen Y et al. Mesenchymal stem/stromal cells induce the generation of novel IL-10-dependent regulatory dendritic cells by SOCS3 activation. J Immunol 2012-08-01 [PMID: 22753940]

Akalin A, Garrett-Bakelman FE, Kormaksson M et al. Base-pair resolution DNA methylation sequencing reveals profoundly divergent epigenetic landscapes in acute myeloid leukemia. PLoS Genet 2012-01-01 [PMID: 22737091]

Zhang Y, Liu Z, Medrzycki M et al. Reduction of Hox gene expression by histone H1 depletion. PLoS One 2012-01-01 [PMID: 22701719]

Wang QF, Wu G, Mi S et al. MLL fusion proteins preferentially regulate a subset of wild-type MLL target genes in the leukemic genome. Blood 2011-06-01 [PMID: 21518926]

Guccione E, Martinato F, Finocchiaro G et al. Myc-binding-site recognition in the human genome is determined by chromatin context. Nat Cell Biol 2006-07-01 [PMID: 16767079]

Terranova R, Agherbi H, Boned A et al. Histone and DNA methylation defects at Hox genes in mice expressing a SET domain-truncated form of Mll. Proc Natl Acad Sci U S A 2006-04-01 [PMID: 16618927]

More publications at <http://www.novusbio.com/NB600-248>





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Products Related to NB600-248

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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