

Product Datasheet

RBBP4/RbAp48 Antibody (13D10) - Azide and BSA Free NBP1-41201

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-41201

RBBP4/RbAp48 Antibody (13D10) - Azide and BSA Free

Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	13D10
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	48 kDa

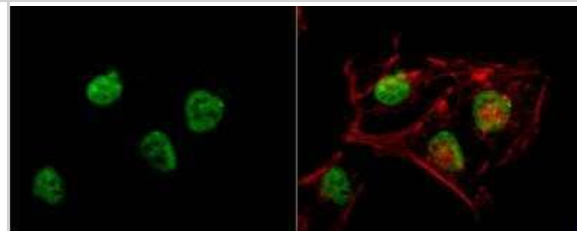
Product Description	
Host	Mouse
Gene ID	5928
Gene Symbol	RBBP4
Species	Human
Reactivity Notes	Use in Rat reported in scientific literature (PMID:34205080).
Specificity/Sensitivity	This antibody will recognize human RbAp48.
Immunogen	The complete coding region (amino acids 1-425) of RBBP4/RbAp48 expressed in E. coli.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry Assay dependent, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:500, Chromatin Immunoprecipitation (ChIP) Reactivity reported in (PMID: 30551478)

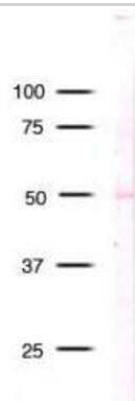


Images

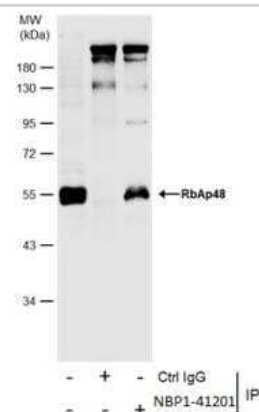
Immunocytochemistry/Immunofluorescence: RBBP4/RbAp48 Antibody (13D10) [NBP1-41201] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: RbAp48 protein stained by RbAp48 antibody [13D10] diluted at 1:200. Red: phalloidin, a cytoskeleton marker, stained by phalloidin (invitrogen, A12380) diluted at 1:200. Blue: Hoechst 33342 staining.



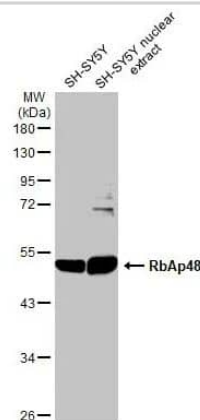
Western Blot: RBBP4/RbAp48 Antibody (13D10) [NBP1-41201] - Detection of RbAp48 in HeLa nuclear extract



Immunoprecipitation: RBBP4/RbAp48 Antibody (13D10) [NBP1-41201] - Immunoprecipitation of RbAp48 protein from HeLa whole cell extract using 5 ug of RbAp48 antibody [13D10]. Western blot analysis was performed using RbAp48 antibody [13D10]. EasyBlot HRP-conjugated anti mouse IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



Western Blot: RBBP4/RbAp48 Antibody (13D10) [NBP1-41201] -SH-SY5Y whole cell and nuclear extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with RbAp48 antibody [13D10] diluted at 1:2000. The HRP-conjugated anti-mouse IgG antibody (NBP2-19382) was used to detect the primary antibody.



Publications

Khateb A, Deshpande A, Feng Y et al. The ubiquitin ligase RNF5 determines acute myeloid leukemia growth and susceptibility to histone deacetylase inhibitors Nature Communications 2021-09-13 [PMID: 34518534] (In vivo assay, Block/Neutralize)

Jones JA, Wei N, Cui H et al. Nuclear translocation of an aminoacyl-tRNA synthetase may mediate a chronic "integrated stress response" Cell reports 2023-06-13 [PMID: 37314928] (Western Blot)

Yang B, Zhang W, Sun L et al. Creatine kinase brain-type regulates BCAR1 phosphorylation to facilitate DNA damage repair iScience 2023-05-01 [PMID: 37182100] (ChIP, Human)

Mokhtari R, Qorri B, Sami M et al. 3D Multicellular Stem-Like Human Breast Tumor Spheroids Enhance Tumorigenicity of Orthotopic Xenografts in Athymic Nude Rat Model Cancers 2021-06-03 [PMID: 34205080] (IF/IHC, Rat)

Xiang J, Wang G, Xia T, Chen Z. The depletion of PHF6 decreases the drug sensitivity of T-cell acute lymphoblastic leukemia to prednisolone. Biomedicine & Pharmacotherapy. 1905-07-11 [PMID: 30551478] (Chemotaxis, Human)

Sun JM, Chen HY, Davie JR et al. Differential distribution of unmodified and phosphorylated histone deacetylase 2 in chromatin. J Biol Chem 2007-11-01 [PMID: 17827154] (WB, Human)

Skowrya D, Zeremski M, Neznanov N et al. Differential association of products of alternative transcripts of the candidate tumor suppressor ING1 with the mSin3/HDAC1 transcriptional corepressor complex. J Biol Chem 2001-03-01 [PMID: 11118440] (WB, Human)

Humphrey GW, Wang Y, Russanova VR et al. Stable histone deacetylase complexes distinguished by the presence of SANT domain proteins CoREST/kiaa0071 and Mta-L1. J Biol Chem 2001-03-01 [PMID: 11102443] (WB, Human)

Schultz DC, Friedman JR, Rauscher FJ 3rd. Targeting histone deacetylase complexes via kRAB-zinc finger proteins: the PHD and bromodomains of kAP-1 form a cooperative unit that recruits a novel isoform of the Mi-2alpha subunit of NuRD. Genes Dev 2001-02-01 [PMID: 11230151] (WB, Human)





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Products Related to NBP1-41201

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP3-18203	Recombinant Human RBBP4/RbAp48 Protein

Limitations

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