Product Datasheet

KAT3B/p300 Antibody (RW109)
NB100-617

Unit Size: 0.2 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 4

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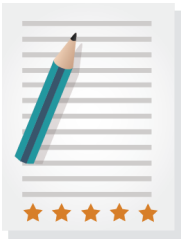


NB100-617

KAT3B/p300 Antibody (RW109)

Product Information

Unit Size	0.2 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RW109
Preservative	0.1% Sodium Azide
Isotype	IgG1 Kappa
Purity	Unpurified
Buffer	Ascites
Target Molecular Weight	300 kDa

Product Description

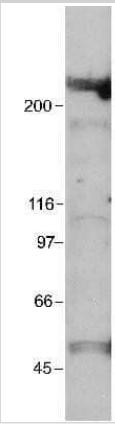
Host	Mouse
Gene ID	2033
Gene Symbol	EP300
Species	Human, Mouse, Rat, Mustelid, Primate
Reactivity Notes	Mink.
Specificity/Sensitivity	This is specific for p300 protein. This recognizes residues 2107-2283.
Immunogen	Fusion protein containing residues 1572-2371 of human KAT3B/p300. [UniProt# Q09472]

Product Application Details

Applications	Western Blot, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:1000, Chromatin Immunoprecipitation reported in scientific literature, Immunocytochemistry/ Immunofluorescence 1:100-1:200, Immunoprecipitation 1:10-1:500, Chromatin Immunoprecipitation (ChIP)
Application Notes	In Western Blot, a band is seen at ~300 kDa. A lower non-specific MW bands (~50 kDa) may be seen with longer exposure times.

Images

Western Blot: KAT3B/p300 Antibody (RW109) [NB100-617] - p300 detected in a HeLa nuclear extract using NB100-617 (1:1,000). ECL: 20 minute exposure.



Publications

Romano S, Staibano S, Greco A et al. FK506 binding protein 51 positively regulates melanoma stemness and metastatic potential. Cell Death Dis. 2013-04-04 [PMID: 23559012] (WB, IP, Chemotaxis, Human)

Eckner R et al. Association of p300 and CBP with simian virus 40 large T antigen. Mol Cell Biol;16(7):3454-64. 1996-07-01 [PMID: 8668161] (IP, Mouse)

Eckner R et al. Interaction and functional collaboration of p300/CBP and bHLH proteins in muscle and B-cell differentiation. Genes Dev;1 (19):2478-90. 1996-10-01 [PMID: 8843199]

Eckner R et al. Molecular cloning and functional analysis of the adenovirus E1A-associated 300-kD protein (p300) reveals a protein with properties of a transcriptional adaptor. Genes Dev;8(8):869-84. 1994-04-15 [PMID: 7523245] (WB, Human)

Procedures

Protocol specific for KAT3B / p300 Antibody (NB100-617)
KAT3B/p300 Antibody (RW109):
Western Blot Protocol

1. Perform SDS-PAGE (3-8% Tris-acetate) on samples to be analyzed, loading 50ug of total protein per lane.

2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.

3. 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% non-fat dry milk in TBS for 1.5 hours.

6. Dilute the mouse anti-p300 primary antibody (NB 100-617) in blocking buffer and incubate overnight at 4 degrees Celsius.

7. Wash the membrane in water for 5 minutes and apply the diluted mouse-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) and incubate 1 hour at room temperature.

8. Wash the blot in TBS containing 0.05-0.1% Tween-20 for 10-20 minutes.

9. Wash the blot in type I water for an additional 10-20 minutes (this step can be repeated as required to reduce background).

10. Apply the detection reagent of choice in accordance with the manufacturer's instructions (Amersham's ECL is the standard reagent used at Novus Biologicals).

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

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Products Related to NB100-617

NB800-PC9	HeLa Nuclear Cell Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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 100% guarantee, please visit www.novusbio.com/guarantee

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