

# **Product datasheet for TA309640**

# OriGene Technologies, Inc.

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### **EP300 Mouse Monoclonal Antibody [Clone ID: RW128]**

#### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: RW128
Applications: FC, IP, WB

Recommended Dilution: Flow Cytometry, Western Blot: 1:250-1:500, Immunocytochemistry/ Immunofluorescence: 2-

5ug/mL, Immunoprecipitation: 1:10-1:500, Flow (Intracellular): 1ug/mL

**Reactivity:** Human, Mouse, Primate, Rat

**Host:** Mouse

**Isotype:** IgG1, kappa **Clonality:** Monoclonal

**Immunogen:** Fusion protein containing residues 1572-2371 of human p300.

Formulation: PBS [pH7.4] and 0.1% Sodium Azide

**Concentration:** lot specific

**Purification:** Protein A purified

**Conjugation:** Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Gene Name:** E1A binding protein p300

Database Link: NP 001420

Entrez Gene 328572 MouseEntrez Gene 170915 RatEntrez Gene 2033 Human

Q09472

**Synonyms:** KAT3B; p300; RSTS2

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Adherens junction, Cell cycle, Huntington's disease, Jak-STAT signaling pathway, Long-term

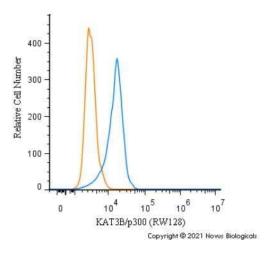
potentiation, Melanogenesis, Notch signaling pathway, Pathways in cancer, Prostate cancer,

Renal cell carcinoma, TGF-beta signaling pathway, Wnt signaling pathway

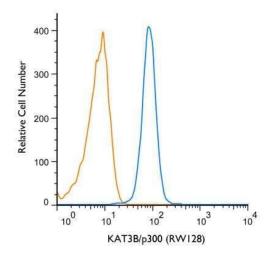




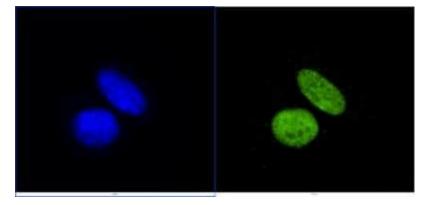
## **Product images:**



Flow Cytometry: KAT3B/p300 Antibody (RW128) TA309640 - An intracellular stain was performed on Raw264.7 cells with KAT3B/p300 Antibody (RW128) TA309640 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1.0 ug/mL for 30 minutes at room temperature, followed by Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550 (35503, Thermo Fisher).

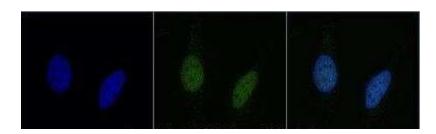


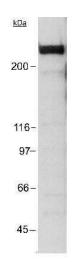
Flow (Intracellular): KAT3B/p300 Antibody (RW128) TA309640 - An intracellular stain was performed on THP-1 cells with KAT3B/p300 (RW128) antibody TA309640 (blue) and a matched isotype control NBP2-27287 (orange). Cells were fixed with 4% PFA and permeabilized with 0.1% Saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by mouse F(ab)2 IgG (H+L) APC-conjugated secondary antibody (F0101B, R&D Systems).



Immunocytochemistry/Immunofluorescence: KAT3B/p300 Antibody (RW128) TA309640 - HeLa cells were fixed in 4% paraformaldehyde for 10 min and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-KAT3B Antibody (RW128) at 5 ug/ml for 60 minutes at room temperature and detected with an anti-mouse Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective.







Immunocytochemistry/Immunofluorescence: KAT3B/p300 Antibody (RW128) TA309640 - HeLa cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.5% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-KAT3B/p300 Antibody (RW128) TA309640 at 2 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.

Western Blot: KAT3B/p300 Antibody (RW128) TA309640 - Detection of p300 in a HeLa nuclear extract using TA309640 (1:250). ECL: 15 sec exposure.