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Datasheet

EP300 monoclonal antibody, clone RW128

Catalog Number: MAB2384

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against partial recombinant EP300.

Clone Name: RW128

Immunogen: Recombinant protein corresponding to amino acids 1572-2371 of human EP300.

Host: Mouse

Reactivity: Human,Mouse,Primates,Rat

Applications: IF, IP, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody is specific to p300 protein. This antibody recognizes residues 1868-1921.

Form: Liquid

Isotype: IgG1, kappa

Recommend Usage: Western Blot (1:250-1:500)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH 7.4 (0.1% sodium azide)

Storage Instruction: Store at -20°C or -80°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2033

Gene Symbol: EP300

Gene Alias: KAT3B, p300

Gene Summary: This gene encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein. It functions as histone acetyltransferase that regulates transcription via chromatin remodeling and is important in the processes of cell proliferation and differentiation. It mediates cAMP-gene regulation by binding specifically to phosphorylated CREB protein. This gene has also been identified as a co-activator of HIF1A (hypoxia-inducible factor 1 alpha), and thus plays a role in the stimulation of hypoxia-induced genes such as VEGF. Defects in this gene are a cause of Rubinstein-Taybi syndrome and may also play a role in epithelial cancer. [provided by RefSeq]

References:

1. Interaction and functional collaboration of p300/CBP and bHLH proteins in muscle and B-cell differentiation. Eckner R, Yao TP, Oldread E, Livingston DM. Genes Dev. 1996 Oct 1;10(19):2478-90.
2. Association of p300 and CBP with simian virus 40 large T antigen. Eckner R, Ludlow JW, Lill NL, Oldread E, Arany Z, Modjtahedi N, DeCaprio JA, Livingston DM, Morgan JA. Mol Cell Biol. 1996 Jul;16(7):3454-64.
3. Molecular cloning and functional analysis of the adenovirus E1A-associated 300-kD protein (p300) reveals a protein with properties of a transcriptional adaptor. Eckner R, Ewen ME, Newsome D, Gerdes M, DeCaprio JA, Lawrence JB, Livingston DM. Genes Dev. 1994 Apr 15;8(8):869-84.