

Product datasheet for **AM06269SU-N**

EP300 Mouse Monoclonal Antibody [Clone ID: 7D8A6]

Product data:

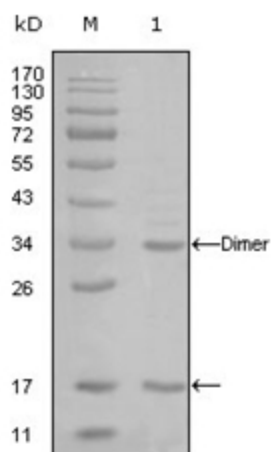
Product Type:	Primary Antibodies
Clone Name:	7D8A6
Applications:	WB
Recommended Dilution:	ELISA: 1/10000. Western Blotting: 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of EP300 expressed in E. Coli.
Specificity:	Recognizes EP300
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	E1A binding protein p300
Database Link:	Entrez Gene 2033 Human Q09472
Background:	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.



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Synonyms: p300 HAT, KAT3B, Histone acetyltransferase p300

Product images:



Western blot analysis using EP300 mouse mAb against truncated EP300-His recombinant protein (1).