



MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No. 71-190EX

Anti-EID1 antibody (#2)

BACKGROUND

EID1 (EP300 interacting inhibitor of differentiation 1) encodes a 21 kDa protein, which interacts with RB1 and EP300 and acts as a repressor of MYOD1 transcription. *EID1* inhibits EP300 and CBP histone acetyltransferase activity. It may be involved in coupling cell cycle exit to the transcription of genes required for cellular differentiation.

This product was purified by our propriety chromatography under mild conditions as IgG fraction from serum-free growth medium of mouse hybridoma clone # 2.

Product type	Primary antibodies
Host	Mouse
Source	
Form	Purified IgG 1mg/ml in PBS (pH 7.4), 50% glycerol, sterilized by filtration
Volume	50µg
Concentration	
Antigen	Synthetic peptide containing amino acids 1-19 of human <i>EID1</i> protein
Isotype	Mouse IgG2a (κ)

Application notes	1) Western blotting (~1 ug/ml) 2) ELISA Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user.
Data Link	Swiss-Prot Q9Y6B2
Reactivity	Reacts with human <i>EID1</i> protein. Not tested for other species.
Storage	Shipped at 4°C or with blue ice and stored at -20°C
References	1MacLellanWR <i>et al</i> "A novel Rb- and p300-binding protein inhibits transactivation by MyoD." <i>Mol Cell Biol</i> 20 :8903-8915 (2000) PMID: 11073990 2. Nguyen DX <i>et al</i> "Acetylation regulates the differentiation-specific functions of the retinoblastoma protein." <i>EMBO J</i> 23 : 1609-1618 (2004) PMID: 15044952
Related Product	# 71-185EX anti- <i>EID1</i> antibody, monoclonal (# 26)



Figure Identification of the EID1 protein by the monoclonal antibody clone #2 by Western blotting.

Crude cell extracts of MCF7 cells (breast cancer cell line) transfected with control vector pCMV1 (lane 1) or the EID1 expression vector pcDNA3/EID1 (lane 2) were analyzed by Western blotting using anti-EID1 antibody clone #2 as the primary antibody and HRP-conjugated-mouse IgG as the secondary antibody. The EID1 protein was identified as a 21 kDa protein band as shown by an arrow.



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