Anti-EID1 antibody, monoclonal (#26)

71-185　50 µg

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. It 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 #26.

Applications

1) Western blotting (~1 ug/ml))　2) ELISA

Other applications have not been tested

Specification

Antigen: synthetic peptide containing amino acids 159-187 of human DIE1 protein

specificity: Reacts with human, mouse and rat EID1 proteins

Isotype: Mouse IgG2a (κ)

Form: Purified IgG 1mg/ml in PBS (pH 7.4), 50% glycerol, sterilized by filtration

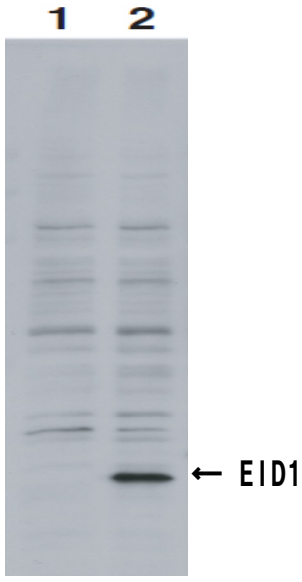
Storage: -20 ℃ (long period, -70℃)

References:

1.MacLellan WR et al. A novel Rb- and p300-binding protein inhibits transactivation by MyoD. Mol Cell Biol 20:8903 (2000)

2. Nguyen DX et al. Acetylation regulates the differentiation-specific functions of the retinoblastoma protein. EMBO J. 23: 1609 (2004)

Figure. Identification of the EID1 protein by the monoclonal antibody clone #26 by western blotteing. Crude cell extracts of MCF7 cells (breast cancer cell line) transfected with control vector pCMV1 (lane 1) or the EID1 expression vector pcDNA3/EID1 were analyzed by western blotting using anti-EID1 antibody clone #26 as the primary antibody and HRP-conjugatdanti-mouse IgG as the secondary antibody. The EID1 protein was identified as the 21 kDa protein band as shown by an arrow.



Related Product　71-181 anti-EID1 antibody, monoclonal (# 2)

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