

## Anti-EID1 antibody, monoclonal (#26)

Catalog # 71-185 100 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. 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 #26.

### Applications

- 1) Western blot (~1 µg/ml)
- 2) Immunofluorescence staining 1-5 µg/ml
- 3) ELISA

Other applications have not been tested.

### Specification

Antigen: Synthetic peptide containing amino acids 159-187 of human EID1 protein

Specificity: Reacts with human, mouse and rat EID1 proteins

Isotype: Mouse IgG2a (κ)

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

Storage: ship 4°C and store at -20°C or for long term storage -70°C

Data Link: Swiss-Prot [Q9Y6B2](#)

### References:

1. MacLellan WR *et al* "A novel Rb- and p300-binding protein inhibits transactivation by MyoD." *Mol Cell Biol* 20:8903-8915 (2000) PMID: [11073990](#)
2. Nguyen DX *et al* "Acetylation regulates the differentiation-specific functions of the retinoblastoma protein." *EMBO J* 23: 1609-1618 (2004) PMID: [15044952](#)

### Figure 1. Identification of the EID1 protein by the monoclonal antibody clone #26 by Western blot.

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 #26 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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