

Anti-EID1 antibody, monoclonal (#2)

Catalog # 71-190 100 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 # 2.

Applications

- 1) Western blot (~1 µg/ml)
- 2) ELISA

Other applications have not been tested.

Specification

Immunogen: Synthetic peptide containing amino acids 1-19 of human EID1 protein

Specificity: Reacts with human EID1 proteins. Not tested for other species.

Isotype: Mouse IgG2a (κ)

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

Storage: Ship at 4°C and store at -20°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 # 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.

