

Anti-EID1 antibody, mouse monoclonal (#2)

71-190 100 µg

Shipping and Storage: Shipped at 4°C or -20°C and stored at -20°C.

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

Form: 1mg/ml in PBS- with 50% glycerol, sterilized by filtration. Azide- and carrier-free.

Isotype: Mouse IgG2a κ

Reactivity: Reacts with human EID1 protein. Not tested for other species.

Applications

- 1) Western blotting (~1 µg/ml).
- 2) Immunofluorescence staining (~1 µg/ml).

Other applications have not been tested.

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.

Data Link UniProtKB/Swiss-Prot [Q9Y6B2](#) (EID1_HUMAN)

References: This antibody has not yet been used in publication

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.

Related Product # [71-185](#) anti-EID1 antibody, monoclonal (# 26)



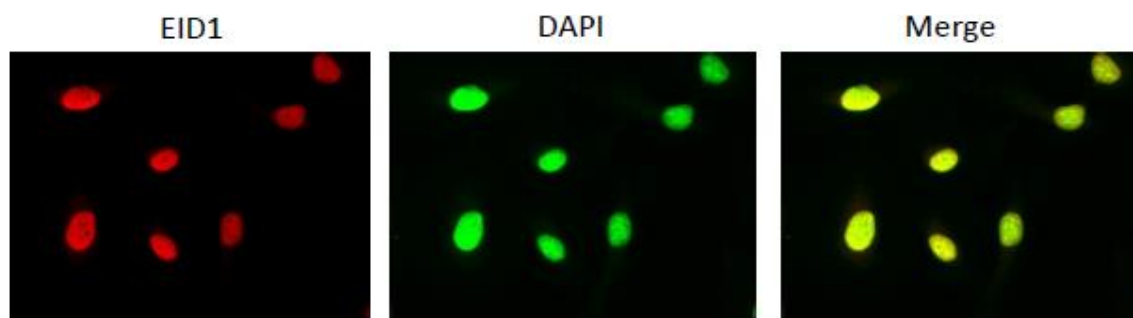


Fig. 2. Immunofluorescent staining of EID1 protein by anti-EID1 antibody (clone 2) in HeLa cells. EID1 protein is localized in nuclei.

Hela cells grown

Fixation of the cells in 4% paraformaldehyde over night

Permeabilization in 0.25% Triton X-100/PBS for 10 min

Blocking in 1.5% BSA/PBS for 30 min

Incubation over night in anti-EID1 antibody (clone 2) diluted to 1/1,000 by blocking buffer

Incubation for 60min in 2nd antibody, Goat anti-rabbit IgG conjugated with Alex 488 (1:1,000 dilution)

Nuclei were stained with DAPI

The images show that majority of EID1 detected by this antibody is localized in nucleus and subfraction may be localized in cytoplasm, and that it may shuttle between them as described in some literatures.