

Anti-EID1 antibody, mouse monoclonal (# 26)

71-185 100 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

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.

Isotype: Mouse IgG2a κ

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

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)

Reference: This antibody has not yet been used in publication.

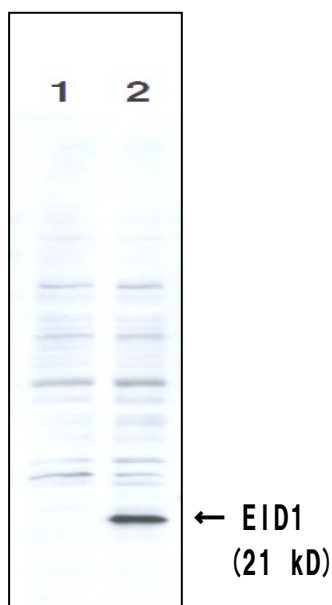


Fig 1 Identification of the EID1 protein by the monoclonal antibody clone #26 by Western blotting.

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 #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

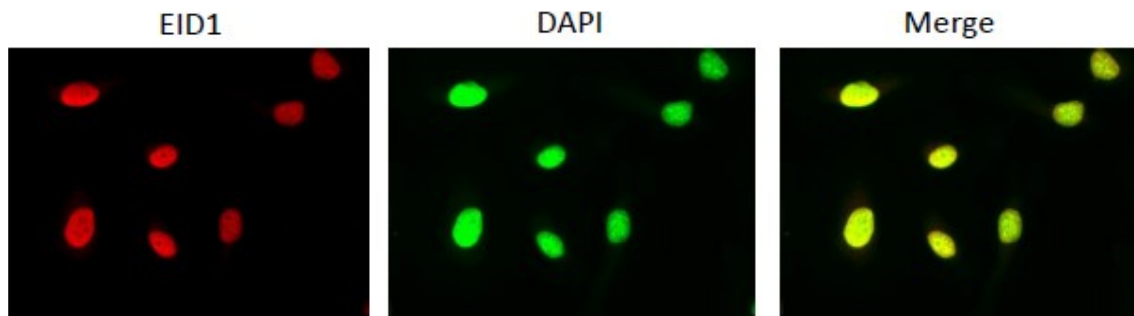


Fig. 2. Immunofluorescent staining of EID1 protein by anti-EID1 antibody (clone 26) in HeLa cells. EID1 protein is localized in nuclei.

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

Related Product #[71-190](#) anti-EID1 antibody, monoclonal (# 2)

Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
NOT FOR MILITARY USE.