

DDIT3 polyclonal antibody

Catalog: BS90400

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

DDIT3 also named GADD 153 which has been described as a growth arrest and DNA damage-inducible gene that encodes a C/EBP-related nuclear protein. This protein has also been designated C/EBP-homologous protein (CHOP-10). GADD 153 expression is induced by a variety of cellular stresses, inducing nutrient deprivation and metabolic perturbations. GADD 153 functions to block cells in G1 to S phase in cell cycle progression and acts by dimerizing with other C/EBP proteins to direct GADD 153 dimers away from "classical" C/EBP binding sites, recognizing instead unique "nonclassical" sites. Thus GADD 153 acts as a negative modulator of C/EBP-like proteins in certain terminally differentiated cells, similar to the regulatory function of Id on the activity of Myo D and Myo D-related proteins involved in the development of muscle cells.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

27 kDa

Swiss-Prot:

P35638(Human) P35639(Mouse)

Purification&Purity:

Peptide affinity purified.

Applications:

WB:1:500-1:2,000

FC:1:50-1:100

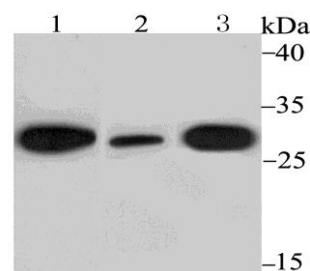
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

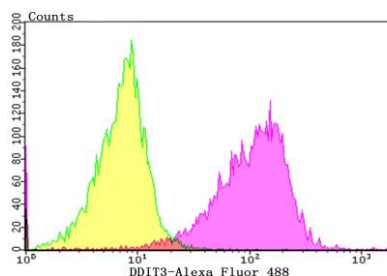
Specificity:

DDIT3 polyclonal antibody detects endogenous levels of DDIT3 protein.

DATA:



Western blot analysis of DDIT3 on different lysates using anti-DDIT3 antibody at 1/500 dilution. Positive control: Lane1: Mouse testis tissue
Lane2: LOVO Lane3: Mouse brain tissue



Flow cytometric analysis of HepG2 cells with DDIT3 antibody at 1/50 dilution (fuchsia) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Note:

For research use only, not for use in diagnostic procedure.

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