

Anti-DDIT3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

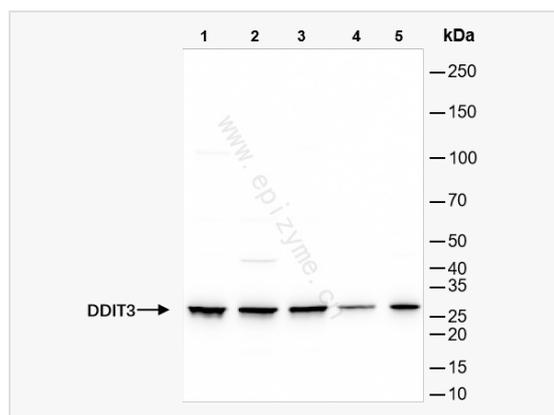
Catalog # R010010

Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	72K76K89
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human DDIT3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-DDIT3 Rabbit mAb [72K76K89] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	C/EBP homologous protein, C/EBP Homology Protein, C/EBP zeta, C/EBP-homologous protein 10, C/EBP-homologous protein, CCAAT/enhancer binding protein homologous protein, CEBPZ, CHOP 10, CHOP, CHOP-10, CHOP10, DDIT 3, DDIT-3, Ddit3, DDIT3_HUMAN, DNA Damage Inducible Transcript 3, DNA damage-inducible transcript 3 protein, GADD 153, GADD153, Growth Arrest and DNA Damage Inducible Protein 153, Growth arrest and DNA damage inducible protein GADD153, Growth arrest and DNA damage-inducible protein GADD153, MGC4154.
Calculated MW	Calculated MW: 19 kDa; Observed MW: 27 kDa
Uniprot ID	P35638
Gene ID	1649
Background	This gene encodes a member of the CCAAT/enhancer-binding protein (C/EBP) family of transcription factors. The protein functions as a dominant-negative inhibitor by forming heterodimers with other C/EBP members, such as C/EBP and LAP (liver activator protein), and preventing their DNA binding activity. The protein is implicated in adipogenesis and erythropoiesis, is activated by endoplasmic reticulum stress, and promotes apoptosis. Fusion of this gene and FUS on chromosome 16 or EWSR1 on chromosome 22 induced by translocation generates chimeric proteins in myxoid liposarcomas or Ewing sarcoma. Multiple alternatively spliced transcript variants encoding two isoforms with different length have been identified. [provided by RefSeq, Aug 2010]
Cellular Location	Nucleus.



Western Blot - Anti-DDIT3 Rabbit mAb [72K76K89]

All lanes: R010010 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 19 kDa

Observed band size: 27 kDa

Developed using the ECL technique (Cat. No. SQ201).