

DDIT3 / CHOP Polyclonal Antibody

Catalog No	A0221	Category	Polyclonal Antibodies
Applications	WB	Observed MW	25kDa
Cross-Reactivity	Human, Mouse, Rat	Calculated MW	19kDa/21kDa

Immunogen Information

Immunogen	A synthetic peptide corresponding to a sequence within amino acids 100 to the C-terminus of human DDIT3 / CHOP (NP_004074.2).
Gene ID	1649
Swiss Prot	P35638
Synonyms	DDIT3; CEBPZ; CHOP; CHOP-10; CHOP10; GADD153; C/EBPzeta; DNA damage inducible transcript 3

Product information

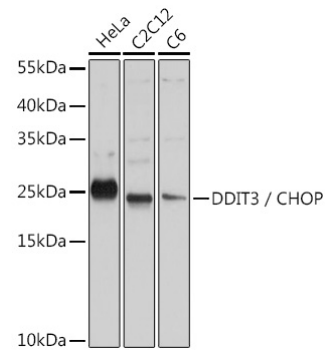
Source	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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.

Recommended Dilutions

WB 1:500 - 1:2000



Western blot analysis of extracts of various cell lines, using DDIT3 / CHOP antibody (A0221) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020). Exposure time: 10s.