Anti-DDIT3 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P100038

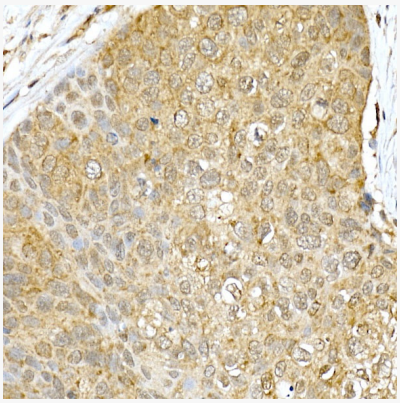
Product Information

Application	WB, IHC-P, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1000~1:5000; IHC-P 1:50~1:200; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-169 of human DDIT3/CHOP (NP_004074.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% 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 pAb is for research use only and not for use in diagnostic or therapeutic procedures.

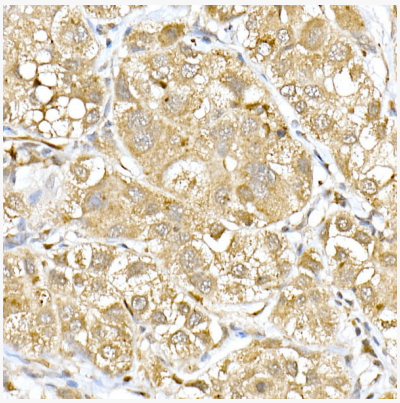
Protein Information

Synonyms	CHOP; CEBPZ; CHOP10; CHOP-10; GADD153; AltDDIT3; C/EBPzeta; DDIT3/CHOP.
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.

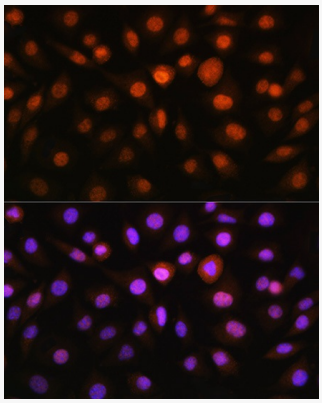
Validation Images



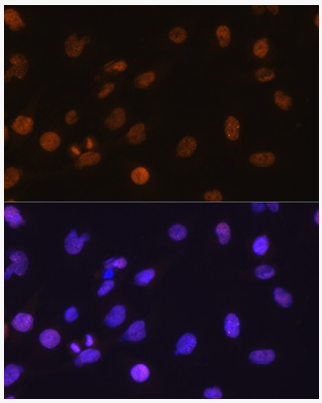
Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using DDIT3/CHOP Rabbit pAb (P100038) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



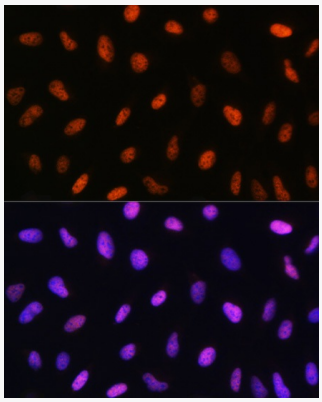
Immunohistochemistry analysis of paraffin-embedded Human liver cancer using DDIT3/CHOP Rabbit pAb (P100038) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



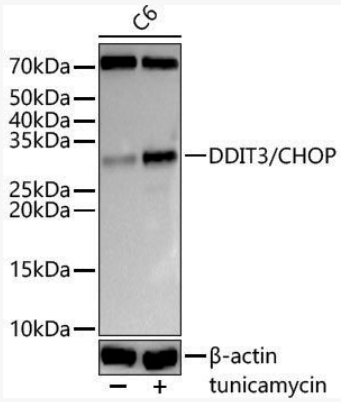
Immunofluorescence analysis of L929 cells using DDIT3/CHOP Rabbit pAb (P100038) at dilution of 1:100. Blue: DAPI for nuclear staining.



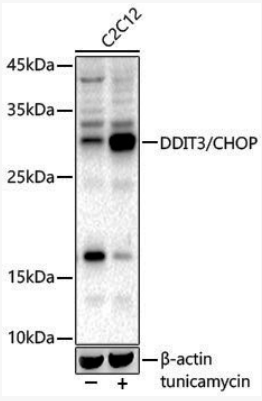
Immunofluorescence analysis of C6 cells using DDIT3/CHOP Rabbit pAb (P100038) at dilution of 1:100. Blue: DAPI for nuclear staining.



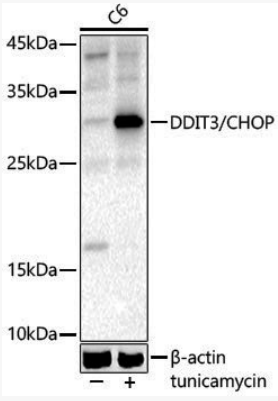
Immunofluorescence analysis of U2OS cells using DDIT3/CHOP Rabbit pAb (P100038) at dilution of 1:100. Blue: DAPI for nuclear staining.



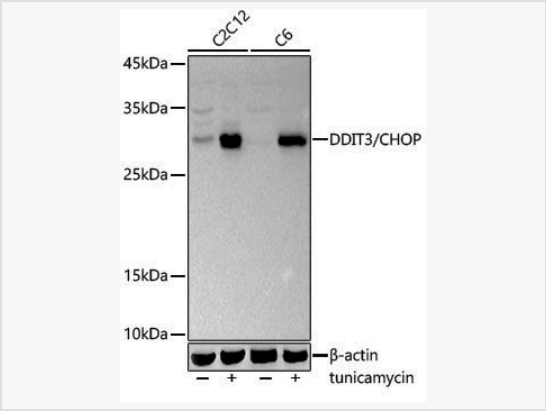
Western blot analysis of lysates from C6 cells, using DDIT3/CHOP Rabbit pAb (P100038) at 1:2,000 dilution. C6 cells were treated by tunicamycin (2 μg/ml) for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.



Western blot analysis of lysates from C2C12 cells, using DDIT3/CHOP Rabbit pAb (P100038) at 1:1,000 dilution. C2C12 cells were treated by tunicamycin (2 μg/ml) for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.



Western blot analysis of lysates from C6 cells, using DDIT3/CHOP Rabbit pAb (P100038) at 1:1,000 dilution. C6 cells were treated by tunicamycin (2 μg/ml) for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.



Western blot analysis of various lysates using DDIT3/CHOP Rabbit pAb (P100038) at 1:1,000 dilution. C2C12 and C6 cells were treated by tunicamycin (2 μg/ml) for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.