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DDIT3/CHOP Rabbit pAb

Catalog No.: A0221

71 Publications

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Basic Information

Observed MW
27 kDa

Calculated MW
19 kDa

Category
Polyclonal Antibodies

Applications
WB, IF/ICC, IHC-P, ELISA

Cross Reactivity
Human, Mouse, Rat

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	1:1000 - 1:5000
IF/ICC	1:50 - 1:200
IHC-P	1:50 - 1:200

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1649

Swiss-Prot
P35638

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

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

Contact

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Product Information

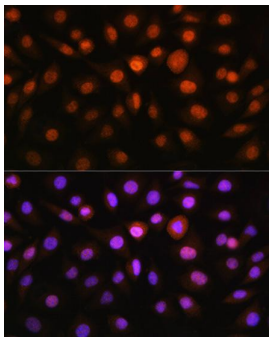
Source
Rabbit

Isotype
IgG

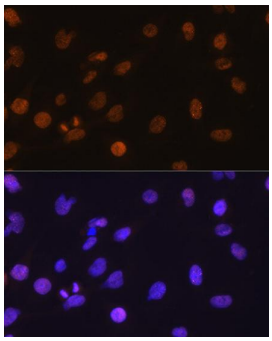
Purity
Affinity purification

Storage
Store at -20℃

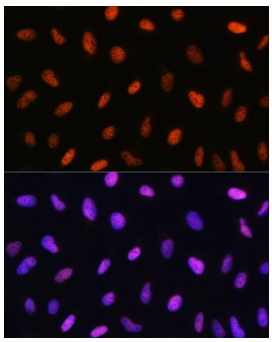
Validation Data



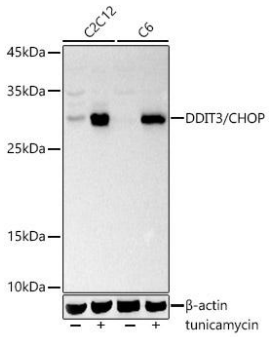
Immunofluorescence analysis of L929 cells using DDIT3/CHOP Rabbit pAb (A0221) at dilution of 1:100. Blue: DAPI for nuclear staining.



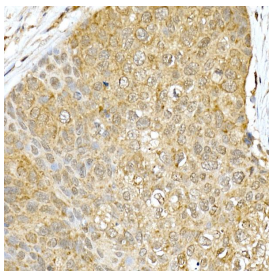
Immunofluorescence analysis of C6 cells using DDIT3/CHOP Rabbit pAb (A0221) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using DDIT3/CHOP Rabbit pAb (A0221) at dilution of 1:100. Blue: DAPI for nuclear staining.

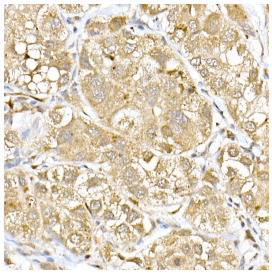


Western blot analysis of various lysates using DDIT3/CHOP Rabbit pAb (A0221) at 1: 1000 dilution. C2C12 and C6 cells were treated with tunicamycin (2 μg/ml) for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

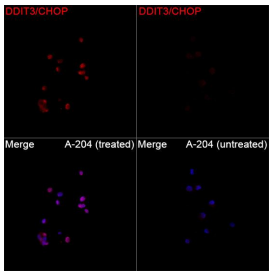


Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using DDIT3/CHOP Rabbit pAb (A0221) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

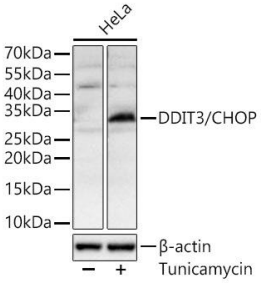
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Please visit http://abclonal.com for a complete listing of recommended products.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using DDIT3/CHOP Rabbit pAb (A0221) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of A-204 cells (treated with Tunicamycin) and A-204 cells (untreated) using DDIT3/CHOP Rabbit pAb (A0221) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007) at 1: 500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from HeLa cells using DDIT3/CHOP Rabbit pAb (A0221) at 1:2000 dilution incubated overnight at 4℃. HeLa cells were treated with Tunicamycin (2 μg/mL) at 37℃ for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 30 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.