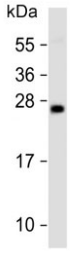
GADD153 Antibody / CHOP / DDIT3 (F54233)

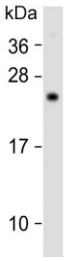
Catalog No.	Formulation	Size
F54233-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54233-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

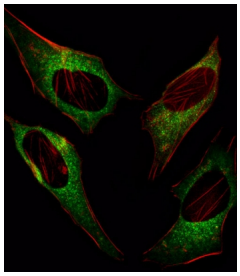
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P35638
Gene ID	1649
Localization	Nuclear, cytoplasmic
Applications	Western blot: 1:1000-1:2000 Flow cytometry: 1:25 (1x10e6 cells) Immunofluorescence: 1:25
Limitations	This GADD153 antibody is available for research use only.



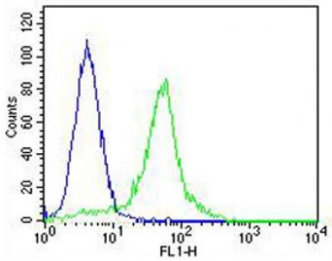
Western blot testing of human PC-3 cell lysate with GADD153 antibody. Expected molecular weight: 19-29 kDa.



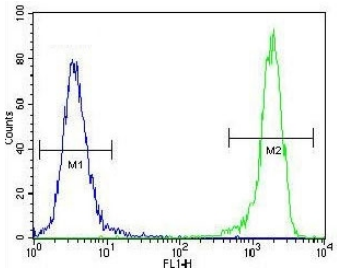
Western blot testing of human skeletal muscle lysate with GADD153 antibody. Expected molecular weight: 19-29 kDa.



Immunofluorescent staining of fixed and permeabilized human HeLa cells with GADD153 antibody (green) and anti-Actin (red).



Flow cytometry testing of fixed and permeabilized human HeLa cells with GADD153 antibody; Blue=isotype control, Green= GADD153 antibody.



Flow cytometry testing of fixed and permeabilized human HEK293 cells with GADD153 antibody; Blue=isotype control, Green= GADD153 antibody.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the GADD153 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 120-149 from the human protein were used as the immunogen for the GADD153 antibody.

Storage

Aliquot the GADD153 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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