



Datasheet for ABIN7295488  
**anti-DDIT3 antibody (Center)**



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3 Images

Overview

Quantity:	100 µL
Target:	DDIT3
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat, Pig, Cow, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDIT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GADD153.
Specificity:	Recognizes endogenous levels of GADD153 protein.
Characteristics:	Rabbit polyclonal antibody to GADD153
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	DDIT3
Alternative Name:	GADD153 ( <a href="#">DDIT3 Products</a> )

## Target Details

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Background:	CHOP, CHOP10, GADD153, DNA damage-inducible transcript 3 protein, DDIT-3, C/EBP zeta, C/EBP-homologous protein, CHOP, C/EBP-homologous protein 10, CHOP-10, CCAAT/enhancer-binding protein homologous protein, Growth arrest and DNA damage-inducible protein GADD153
Gene ID:	1649, 13198
UniProt:	<a href="#">P35638</a> , <a href="#">P35639</a> , <a href="#">Q62857</a>
Pathways:	<a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Cell RedoxHomeostasis</a>

## Application Details

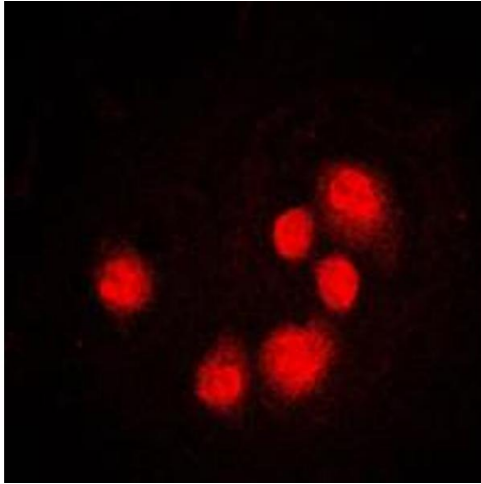
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Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

## Handling

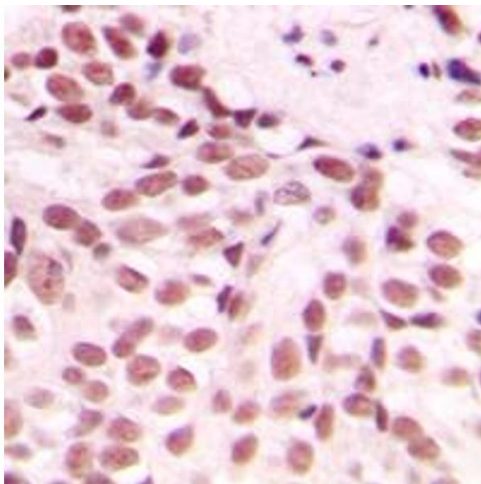
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Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



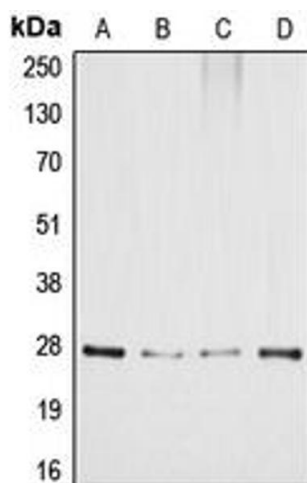
### Immunofluorescence

**Image 1.** Immunofluorescent analysis of GADD153 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of GADD153 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



### Western Blotting

**Image 3.** Western blot analysis of GADD153 expression in HeLa (A), MCF7 (B), SP2/0 (C), PC12 (D) whole cell lysates.