

Product Datasheet

DDIT3 Antibody (C-term A135) (orb1937840)

Catalog Number	orb1937840
Category	Antibodies
Description	Affinity Purified Rabbit Polyclonal Antibody (Pab)
Target	DDIT3
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse
Predicted Reactivity	Hamster
Form/Appearance	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Immunogen	This DDIT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 120-149 amino acids from the C-terminal region of human DDIT3. Antigen Region: 120-149 aa.
UniProt ID	P35638
MW	19175 Da
Tested applications	FC, WB
Dilution range	IF - 1:10-50, WB - 1:2000, FC - 1:25

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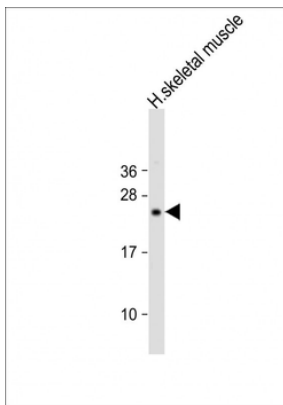
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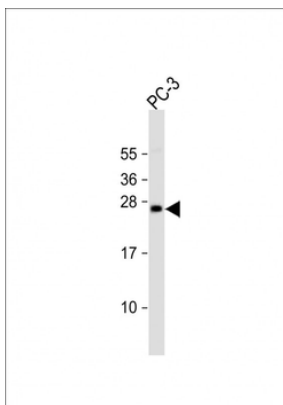
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Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
NCBI	NP_001181984.1 , NP_001181982.1 , NP_001181986.1 , NP_004074.2 , NP_001181983.1
Expiration Date	12 months from date of receipt.



Anti-DDIT3 Antibody (C-term A135) at 1:2000 dilution + human skeletal muscle lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 19 kDa. Blocking/Dilution buffer: 5% NFDN/TBST.



Anti-DDIT3 Antibody (C-term A135) at 1:2000 dilution + PC-3 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 19 kDa. Blocking/Dilution buffer: 5% NFDN/TBST.

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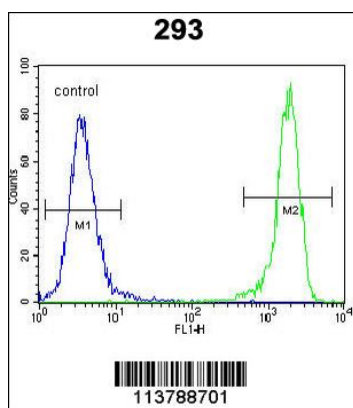
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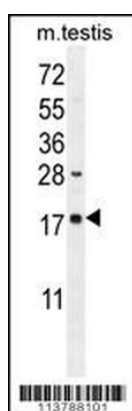
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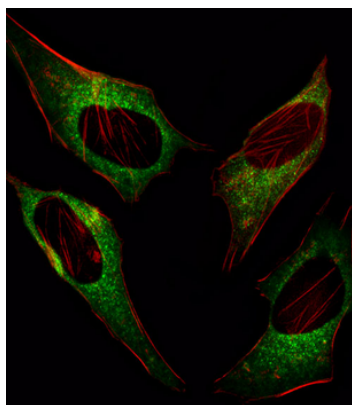
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DDIT3 Antibody (C-term A135) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



DDIT3 Antibody (C-term A135) western blot analysis in mouse testis tissue lysates (35 ug/lane). This demonstrates the DDIT3 antibody detected the DDIT3 protein (arrow).



Fluorescent image of HeLa cell stained with DDIT3 Antibody (C-term A135). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with DDIT3 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). DDIT3 immunoreactivity is localized to Cytoplasm significantly.

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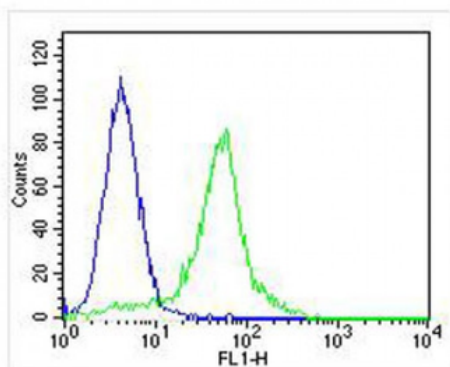
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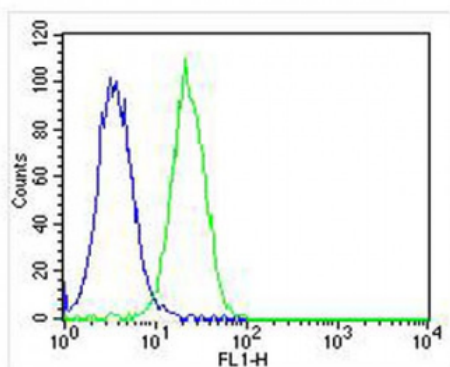
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Overlay histogram showing HeLa cells (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of > 10000 events was performed.



Overlay histogram showing HeLa cells (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of > 10000 events was performed.

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