[KD Validated] Anti-DDIT3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R021480

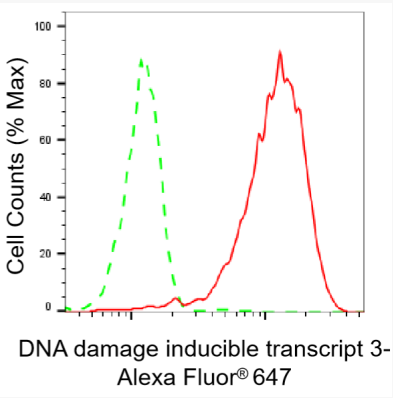
Product Information

Application	WB, FC, IF (Cell)/ICC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; FC 1:200~1:2,000; IF 1:100~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	56S58N63
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human DDIT3
Format	Affinity purified monoclonal 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 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-DDIT3 Rabbit mAb [56S58N63] is for research use only and not for use in diagnostic or therapeutic procedures.

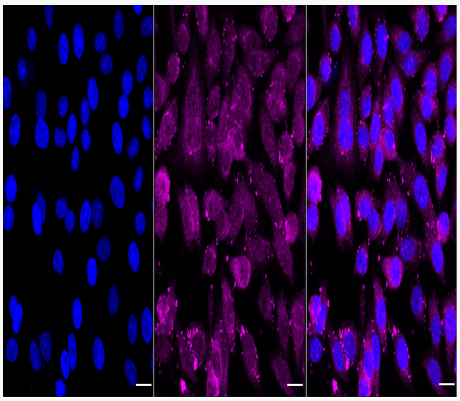
Protein Information

Synonyms	DDIT3; DNA Damage Inducible Transcript 3; GADD153; CHOP10; CHOP; C/EBP Zeta; Growth Arrest And DNA Damage-Inducible Protein GADD153; CCAAT/Enhancer-Binding Protein Homologous Protein; DNA Damage-Inducible Transcript 3 Protein; C/EBP-Homologous Protein 10; Alternative DDIT3 Protein; AltDDIT3; CHOP-10; Growth Arrest And DNA-Damage-Inducible Gene; DDIT3 Upstream Open Reading Frame Protein; DNA-Damage-Inducible Transcript 3; C/EBP Homologous Protein; C/EBP-Homologous Protein; C/EBPzeta; DDIT-3; CEBPZ.
Calculated MW	Calculated MW: 19 kDa, Observed MW: 27 kDa
Uniprot ID	P35638
Gene ID	1649
Background	Inhibits the DNA-binding activity of C/EBP and LAP by forming heterodimers that cannot bind DNA.

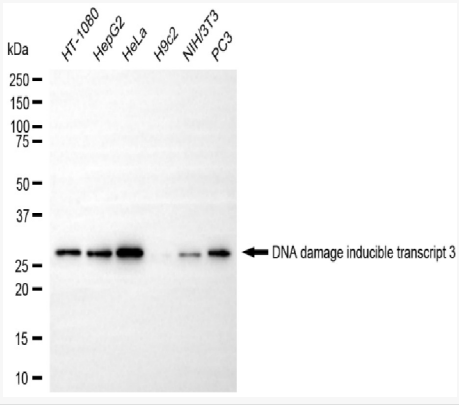
Validation Images



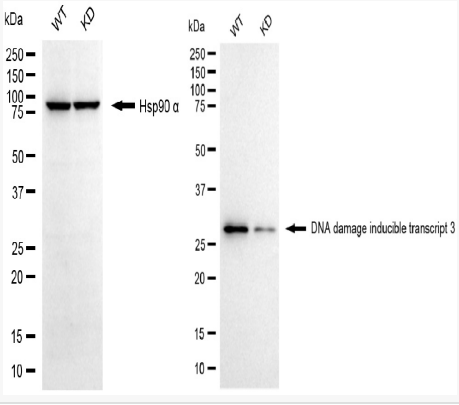
Flow cytometric analysis of DNA damage inducible transcript 3 expression in HepG2 cells using DNA damage inducible transcript 3c antibody (R021480, 1:2,000). Green, isotype control; red, DNA damage inducible transcript 3.



Immunocytochemical staining of HepG2 cells with DNA damage inducible transcript 3 antibody (R021480, 1:1,000). Nuclei were stained blue with DAPI; DNA damage inducible transcript 3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Western blotting analysis using DNA damage inducible transcript 3 antibody (R021480). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DNA damage inducible transcript 3 antibody (R021480, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using DNA damage inducible transcript 3 antibody (R021480). DNA damage inducible transcript 3 expression in wild-type (WT) and DNA damage inducible transcript 3 (DDIT3) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with DNA damage inducible transcript 3 antibody (R021480, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.