

Product datasheet for **LY300501**

DDB2 Human Knockdown Lysate

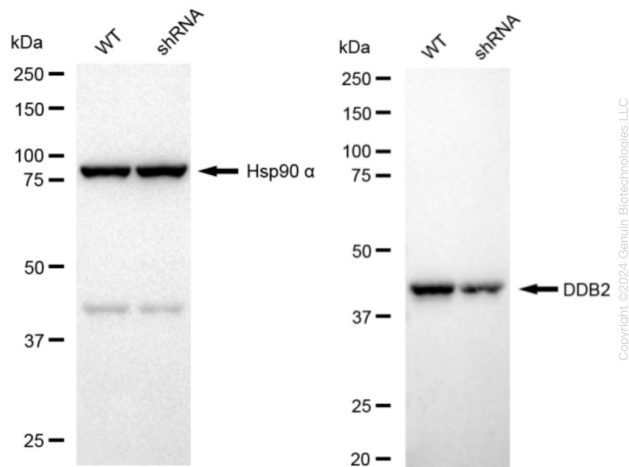
Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated DDB2 Knockdown HT-1080 Cell Lysate
Species:	Human
Tag:	Tag Free
Synonyms:	DDB2; Damage Specific DNA Binding Protein 2; UV-Damaged DNA-Binding Protein 2; DDB P48 Subunit; UV-DDB2; DDBB; XPE; Xeroderma Pigmentosum Group E Protein; DNA Damage-Binding Protein 2; FLJ34321; Damage-Specific DNA Binding Protein 2 (48kD); Damage-Specific DNA Binding Protein 2, 48kDa; Damage-Specific DNA-Binding Protein 2; UV-DDB 2; DDBb
Predicted MW:	48 kDa
Components:	1 vial of 100 ug WT HT-1080 cell lysate 1 vial of 100 ug DDB2 KD HT-1080 cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	1643
UniProt ID:	Q92466
Protein Families:	Druggable Genome
Protein Pathways:	Nucleotide excision repair, p53 signaling pathway, Ubiquitin mediated proteolysis

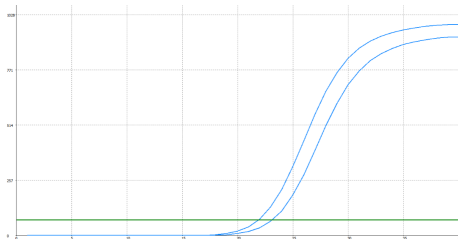


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Product images:



Western blotting analysis. DDB2 protein expression in wild-type (WT) and shRNA knockdown (KD) HT-1080 cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against DDB2 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.



Genotype	Ct Value
Wild-Type	21.82
Knock-Down	23.00
$\Delta Ct (Ct_{KD} - Ct_{WT})$	1.18
% mRNA Reduction	↓ 56%

RT-qPCR analysis. HT-1080 cells were infected with DDB2-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD} - Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta Ct}) \times 100\%$.