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Product datasheet for LY300510

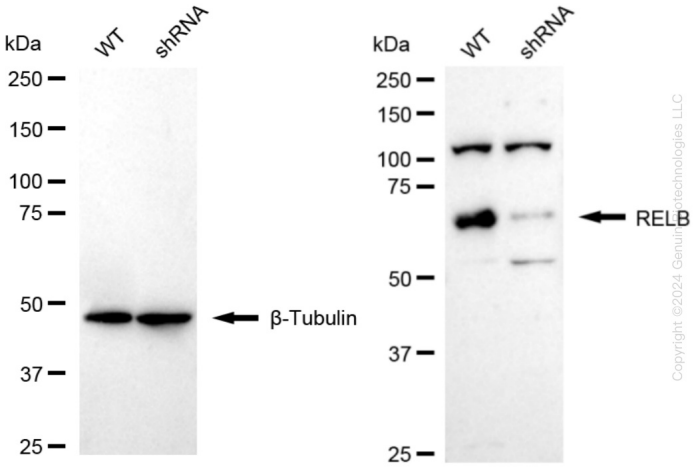
Rel B (RELB) Human Knockdown Lysate

Product data:

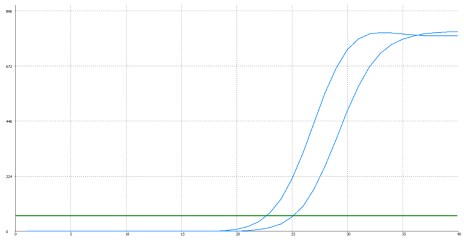
Product Type:	Knockdown Lysates
Description:	WB-validated RELB Knockdown HT-1080 Cell Lysate
Species:	Human
Tag:	Tag Free
Synonyms:	RELB; RELB Proto-Oncogene, NF-KB Subunit; REL-B; V-Rel Avian Reticuloendotheliosis Viral Oncogene Homolog B (Nuclear Factor Of Kappa Light Polypeptide Gene Enhancer In B-Cells 3); Transcription Factor RelB ; V-Rel Reticuloendotheliosis Viral Oncogene Homolog B, Nuclear Factor Of Kappa Light Polypeptide Gene Enhancer In B-Cells 3; I-REL; IMD53; I-Rel; IREL
Predicted MW:	62 kDa
Components:	1 vial of 100 ug WT HT-1080 cell lysate 1 vial of 100 ug RELB KD HT-1080 cell lysate
Storage:	Store at -20 ℃ for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	5971
UniProt ID:	Q01201
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	MAPK signaling pathway

View online »

Product images:



Western blotting analysis. RELB protein expression in wild-type (WT) and shRNA knockdown (KD) HT-1080 cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against RELB and β-Tubulin, 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	22.54
Knock-Down	25.01
ΔCt (Ct_{KD}-Ct_{WT})	2.47
% mRNA Reduction	⬇ 82%

RT-qPCR analysis. HT-1080 cells were infected with RELB-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.