OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for LY300197

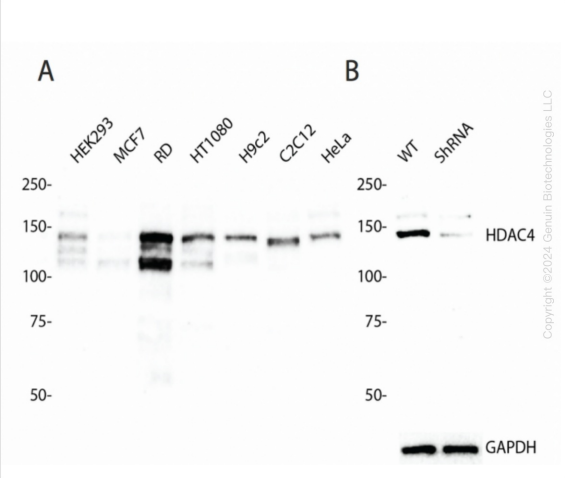
HDAC4 Human Knockdown Lysate

Product data:

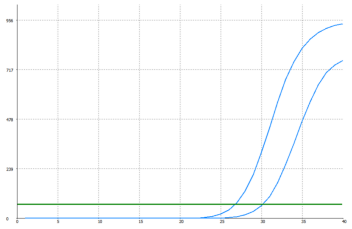
Product Type:	Knockdown Lysates
Description:	WB-validated HDAC4 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	HDAC4; Histone Deacetylase 4; HD4; KIAA0288; HDAC-A; HA6116; HDAC-4; HDACA; EC 3.5.1.98; BDMR; Brachydactyly-Mental Retardation Syndrome; Histone Deacetylase A; NEDCHID; NEDCHF; AHO3
Predicted MW:	119 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug HDAC4 KD HeLa cell lysate
Storage:	Store at -20 ℃ for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	9759
UniProt ID:	P56524
Protein Families:	Druggable Genome, Transcription Factors

View online »

Product images:



Western blotting analysis. HDAC4 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. GAPDH served as a loading control. The blots were incubated with primary antibodies against HDAC4 and GAPDH, 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	26.77
Knock-Down	29.76
ΔCt (Ct_{KD}-Ct_{WT})	2.99
% mRNA Reduction	⬇ 87%

RT-qPCR analysis. HeLa cells were infected with HDAC4-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%.