Human PABPN1 Knockdown Cell Lysate

Cat. No. PABPN1-507HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated PABPN1 Knockdown HT-1080 Cell Lysate
Species	Human
Source	HT-1080
Description	This gene encodes an abundant nuclear protein that binds with high affinity to nascent poly(A) tails. The protein is required for progressive and efficient polymerization of poly(A) tails at the 3' ends of eukaryotic transcripts and controls the size of the poly(A) tail to about 250 nt. At steady-state, this protein is localized in the nucleus whereas a different poly(A) binding protein is localized in the cytoplasm. This gene contains a GCG trinucleotide repeat at the 5' end of the coding region, and expansion of this repeat from the normal 6 copies to 8-13 copies leads to autosomal dominant oculopharyngeal muscular dystrophy (OPMD) disease. Related pseudogenes have been identified on chromosomes 19 and X. Read-through transcription also exists between this gene and the neighboring upstream BCL2-like 2 (BCL2L2) gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	33 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HT-1080 cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and

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	equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HT-1080 cell lysate 1 vial of 100 µg PABPN1 KD HT-1080 cell lysate
Protein Families	Druggable Genome
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	PABPN1 poly(A) binding protein nuclear 1 [Homo sapiens (human)]
Official Symbol	PABPN1
Synonyms	PABPN1; poly(A) binding protein nuclear 1; OPMD; PAB2; PABII; PABP2; PABP-2; polyadenylate-binding protein 2; poly(A) binding protein 2; poly(A) binding protein II
Gene ID	8106
mRNA Refseq	NM_004643
Protein Refseq	NP_004634
MIM	602279

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UniProt ID	Q86U42

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