Recombinant Human BRD2 cell lysate

Cat. No. BRD2-177HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	This gene encodes a transcriptional regulator that belongs to the BET (bromodomains and extra terminal domain) family of proteins. This protein associates with transcription complexes and with acetylated chromatin during mitosis, and it selectively binds to the acetylated lysine-12 residue of histone H4 via its two bromodomains. The gene maps to the major histocompatability complex (MHC) class II region on chromosome 6p21.3, but sequence comparison suggests that the protein is not involved in the immune response. This gene has been implicated in juvenile myoclonic epilepsy, a common form of epilepsy that becomes apparent in adolescence. Multiple alternatively spliced variants have been described for this gene, but the full-length nature of some of these variants has not been determined.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	BRD2 bromodomain containing 2 [Homo sapiens]

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Official Symbol	BRD2
Synonyms	BRD2; bromodomain containing 2; bromodomain-containing protein 2; D6S113E; FSRG1; KIAA9001; NAT; RING3; O27.1.1; bromodomain-containing 2; really interesting new gene 3 protein; female sterile homeotic-related gene 1; FSH; RNF3; FLJ31942; DKFZp686N0336;
Gene ID	6046
mRNA Refseq	NM_001113182
Protein Refseq	NP_001106653
MIM	601540
UniProt ID	P25440
Chromosome Location	6p21.3
Pathway	Regulation of retinoblastoma protein, organism-specific biosystem;
Function	protein serine/threonine kinase activity;

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