

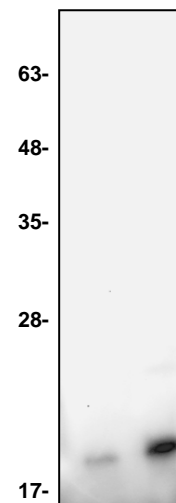
BRD3-BD1 Antibody

CATALOG NO:	6665- 30T 30 µg (Trial size) 6665-100 100 µg
ALTERNATE NAMES:	KIAA0043, RING3L
CONCENTRATION:	0.5 mg/ml
HOST:	Rabbit
IMMUNOGEN:	Recombinant human BRD3-BD1 (Cat # 7256)
INTERNAL ID:	BV-N21-22
PURIFICATION:	Affinity purified rabbit IgG
FORM:	Liquid
FORMULATION:	0.5 mg/ml of affinity purified antibody in PBS pH 7.2, with 30% glycerol, 0.5% BSA, 0.5 mM EDTA, and 0.03% Proclin
SPECIES REACTIVITY:	Human
STORAGE CONDITIONS:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

DESCRIPTION: The acetylation of histone lysine residues plays a crucial role in the epigenetic regulation of gene transcription. A bromodomain is a protein domain that recognizes acetylated lysine residues such as those on the N-terminal tails of histones. This recognition is often a prerequisite for protein-histone association and chromatin remodeling. These domains function in the linking of protein complexes to acetylated nucleosomes, thereby controlling chromatin structure and gene expression. Thus, bromodomains serve as "readers" of histone acetylation marks regulating the transcription of target promoters. BRD3 binds hyper-acetylated chromatin and plays a role in the regulation of transcription, probably by chromatin remodeling and interaction with transcription factors. It regulates transcription by promoting the binding of the transcription factor GATA1 to its targets and transcription of the CCND1 gene. A chromosomal aberration involving BRD3 was found in a rare, aggressive, and lethal carcinoma arising in midline organs of young people.

APPLICATION: Western blot: 1-4 µg

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot of BRD3-BD1 antibody:
Lane 1: Recombinant BRD3-BD1 - 2 ng.
Lane 2: Recombinant BRD3-BD1 - 10 ng

RELATED PRODUCTS:

- BRD3-Bromodomain1 human recombinant (Cat. No. 7256-20, 100, -1000)
- Recombinant Human BrdT (22-138 aa) (Cat. No. 7641-20, 100, -1000)
- Recombinant Human BRD4 (Cat. No. 7644-20, 100, -1000)
- Human recombinant BRD1 bromodomain (Cat. No. 7645-20, 100)
- Human recombinant BRD2 bromodomains 1 (Cat. No. 7646-20, 100)
- Human recombinant BRD2 bromodomain 1 and 2 (Cat. No. 7647-20, 100)
- Human recombinant BRD2 bromodomain 2 (Cat. No. 7648-20, 100)
- Human recombinant BRD9 bromodomain (Cat. No. 7649-20, 100)
- Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, -5)
- BRD8 Antibody (Cat. No. 3738-100)
- BRD8 Antibody (Cat. No. 3506-100)
- BRD8 Blocking Peptide (Cat. No. 3506BP-50)
- EZSolution™ (+)-JQ1 (Cat. No. 2091-1)
- I-BET151 (Cat. No. 2220-1, -5)
- PFI-1 (Cat. No. 2203-1, -5)

FOR RESEARCH USE ONLY! Not to be used on humans.

