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BRD3-Bromodomain2 (306-417 aa) (His-Tagged) human recombinant protein
KIAA0043, RING3L
Catalog # PBV10884r

Specification

BRD3-Bromodomain2 (306-417 aa) (His-Tagged) human recombinant protein - Product info

Primary Accession	Q15059
Concentration	2
Calculated MW	15.5 kDa KDa

BRD3-Bromodomain2 (306-417 aa) (His-Tagged) human recombinant protein - Additional Info

Gene ID	8019
Gene Symbol	BRD3
Other Names	
KIAA0043, RING3L	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	N/A;
Recombinant	Yes
Target/Specificity	
BRD3	

Format
Liquid

Storage
-80°C; rh-BRD3-BD2 is supplied as a solution in PBS Buffer containing 10% glycerol.

BRD3-Bromodomain2 (306-417 aa) (His-Tagged) human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BRD3-Bromodomain2 (306-417 aa) (His-Tagged) human recombinant protein - Images

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Background

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. The recombinant protein includes Bromodomain-containing protein 3 (contains 306-417 aa) with N-terminal His-tag.

BRD3-Bromodomain2 (306-417 aa) (His-Tagged) human recombinant protein - References

Nomura N.,et al.DNA Res. 1:223-229(1994).
Ishii H.,et al.DNA Cell Biol. 24:432-437(2005).
Humphray S.J.,et al.Nature 429:369-374(2004).
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