Product Name: BRWD3 Rabbit Polyclonal Antibody
Catalog #: APRab07670

Summary

Production Name	BRWD3 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	BRWD3
Alternative Names	BRWD3; Bromodomain and WD repeat-containing protein 3
Gene ID	254065.0
SwissProt ID	Q6RI45.The antiserum was produced against synthesized peptide derived from human BRWD3. AA range:1751-1800

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000..
Molecular Weight	204kD

Background

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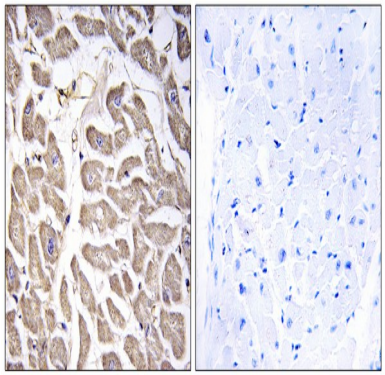
The protein encoded by this gene contains a bromodomain and several WD repeats. It is thought to have a chromatin-modifying function, and may thus play a role in transcription. Mutations in this gene cause mental retardation X-linked type 93, which is also referred to as mental retardation X-linked with macrocephaly. This gene is also associated with translocations in patients with B-cell chronic lymphocytic leukemia. [provided by RefSeq, May 2010],caution:The translocation involving this gene was originally published as t(X;11)(q13;23) (PubMed:15543602), but BRWD3 is localized to Xq21 and not to Xq13.,developmental stage:Expressed in fetal liver.,disease:A chromosomal aberration involving BRWD3 can be found in patients with B-cell chronic lymphocytic leukemia (B-CLL). Translocation t(X;11)(q21;q23) with ARHGAP20 does not result in fusion transcripts but disrupts both genes.,disease:Defects in BRWD3 are the cause of mental retardation X-linked type 93 (MRX93) [MIM:300659]; also known as mental retardation X-linked with macrocephaly. Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Mentally retarded individuals are at least twice as likely to have macrocephaly than are their intellectually normal peers.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 2 bromo domains.,similarity:Contains 9 WD repeats.,tissue specificity:Found in most adult tissues. Down-regulated in a majority of the B-CLL cases examined.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using BRWD3 Antibody. The picture on the right is blocked with the synthesized peptide.

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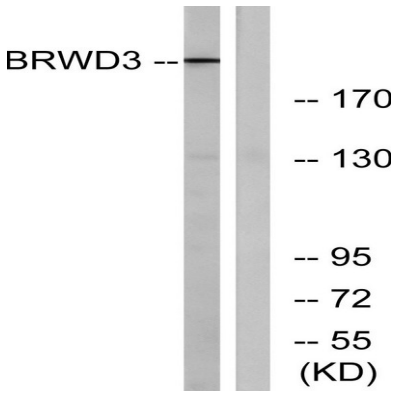

Western blot analysis of lysates from COLO cells, using BRWD3 Antibody. The lane on the right is blocked with the synthesized peptide.

Note

For research use only.