

BRWD3 Rabbit pAb

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Catalog # AP54630

Product Information

Application	WB, IHC-P, IHC-F, IF
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BRWD3
Epitope Specificity	1701-1802/1802
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
DISEASE	Note=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. 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 adaptive 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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Members of the WD repeat protein family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis and gene regulation. BRWD3 (bromodomain and WD repeat-containing protein 3) is a 1,802 amino acid protein expressed in fetal liver and most adult tissues. Existing as five alternatively spliced isoforms, BRWD3 contains two bromo domains, nine WD repeats and is thought to play a role in transcription by modifying chromatin. Mutations in the gene encoding BRWD3 are the cause of mental retardation X-linked type 93 (MRX93), which is also known as mental retardation X-linked with macrocephaly (XLMR). MRX93 is characterized by mild intellectual disability, macrocephaly, a prominent forehead and large cupped ears.

Additional Information

Other Names	Bromodomain and WD repeat-containing protein 3, BRWD3
Dilution	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, ELISA=1:5000-10000

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.