Best Tools for immunology Research

BRWD3 Polyclonal Antibody

Catalog No :	YT0536
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	BRWD3
Gene Name :	BRWD3
Protein Name :	Bromodomain and WD repeat-containing protein 3
Human Gene Id :	254065
Human Swiss Prot No :	Q6RI45
Mouse Gene Id :	382236
Mouse Swiss Prot No :	A2AHJ4
Immunogen :	The antiserum was produced against synthesized peptide derived from human BRWD3. AA range:1751-1800
Specificity :	BRWD3 Polyclonal Antibody detects endogenous levels of BRWD3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 204kD

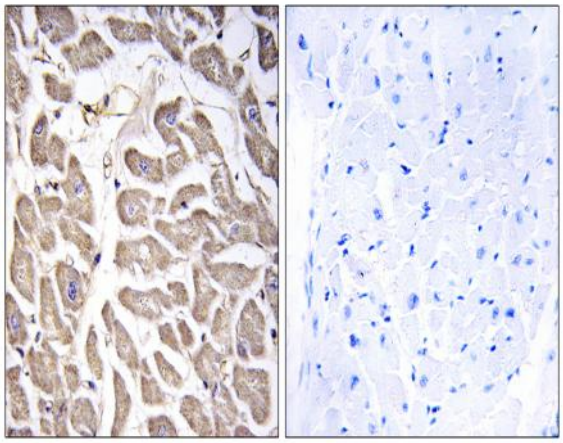
Background : The protein encoded by this gene contains a bromodomain and several WD repeats. It is thought to have a chromatin-modifying function, and may thus play a role in transcription. Mutations in this gene cause mental retardation X-linked type 93, which is also referred to as mental retardation X-linked with macrocephaly. This gene is also associated with translocations in patients with B-cell chronic lymphocytic leukemia. [provided by RefSeq, May 2010],

Function : 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 intellectual

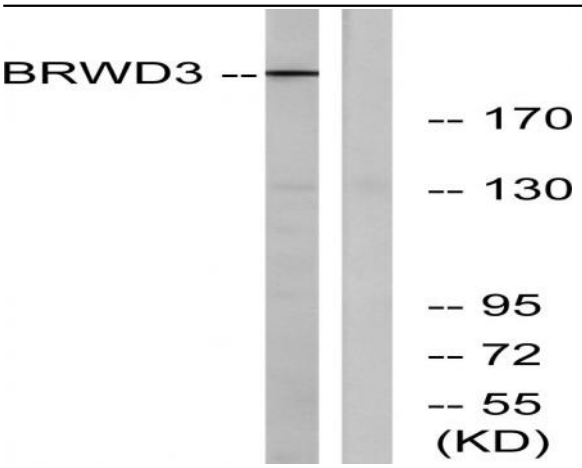
Subcellular Location : nucleus,

Expression : Found in most adult tissues. Down-regulated in a majority of the B-CLL cases examined.

Products Images



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



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