DATASHEET

DNA Methyltransferase 3 Beta (DNMT3B) Antibody

Catalogue No.:abx002130
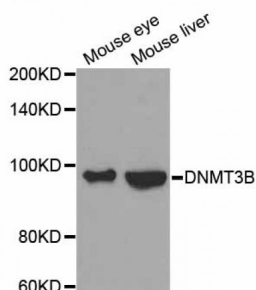
Western blot analysis of extracts of various cell lines, using DNMT3B antibody (abx002130) at 1:300 dilution.

DNMT3B Antibody is a Rabbit Polyclonal antibody against DNMT3B. CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase which is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes primarily to the nucleus and its expression is developmentally regulated. Mutations in this gene cause the immunodeficiency-centromeric instability-facial anomalies (ICF) syndrome. Eight alternatively spliced transcript variants have been described. The full length sequences of variants 4 and 5 have not been determined. [provided by RefSeq, May 2011].

Target:	DNMT3B
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB
Recommended dilutions:	WB: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	A synthetic peptide of human DNMT3B.
Purification:	Affinity purified.
Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Molecular Weight:	Calculated MW: 77-95 kDa
	Observed MW: 96 kDa
Swiss Prot:	**Q9UBC3**
GeneID:	**1789**
Gene Symbol:	DNMT3B
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.