

bsm-51634M**[Primary Antibody]****PRDM16 Mouse mAb****BioSS**
ANTIBODIES

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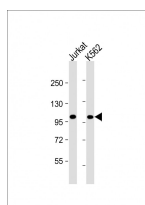
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— DATASHEET —

Host: Mouse	Isotype: IgG1, k	Applications: WB (1:500-2000)
Clonality: Monoclonal	CloneNo.: G10T8	Reactivity: Human
GeneID: 63976	SWISS: Q9HAZ2	
Target: PRDM16		
Purification: affinity purified by Protein G		Predicted MW.: 150 kDa
Concentration: 1mg/ml		Subcellular Location: Nucleus
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: The reciprocal translocation t(1;3)(p36;q21) occurs in a subset of myelodysplastic syndrome (MDS) and acute myeloid leukemia (AML). This gene is located near the 1p36.3 breakpoint and has been shown to be specifically expressed in the t(1;3)(p36;q21)-positive MDS/AML. The protein encoded by this gene is a zinc finger transcription factor and contains an N-terminal PR domain. The translocation results in the overexpression of a truncated version of this protein that lacks the PR domain, which may play an important role in the pathogenesis of MDS and AML. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]		

— VALIDATION IMAGES —

Sample: Lane 1: Jurkat cell lysates Lane 2: K562 cell lysates
Primary: Anti-PRDM16 (bsm-51634M) at 1/4000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 150 kD
Observed band size: 100 kD

— SELECTED CITATIONS —

- **[IF=8.1]** Fan Li. et al. Proline hydroxylase 2 (PHD2) promotes brown adipose thermogenesis by enhancing the hydroxylation of UCP1. MOL METAB. 2023 Jun;;101747 CoIP ;Mouse. 37279828