

**bs-19986R****[ Primary Antibody ]**

www.bioss.com.cn

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400-901-9800

**PRDM16 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ICC/IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 63976	<b>SWISS:</b> Q9HAZ2	
<b>Target:</b> PRDM16		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human PRDM16: 701-800/1276.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> (predicted: Human, Mouse, Rat, Sheep, Cow, Horse)
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		<b>Predicted MW.:</b> 140 kDa
<b>Background:</b> 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]		<b>Subcellular Location:</b> Nucleus

**— SELECTED CITATIONS —**

- **[IF=8.2]** Xiaoyu Yue. et al. Taraxacum mongolicum polysaccharides promotes promote white adipocyte browning by regulating miR-134-3p via Akt/GSK-3 $\beta$  signalling. INT J BIOL MACROMOL. 2023 Nov;;128296 WB ;Sheep. 38000580
- **[IF=6.706]** Yu Wang. et al. Seabuckthorn Reverses High-Fat-Diet-Induced Obesity and Enhances Fat Browning via Activation of AMPK/SIRT1 Pathway. NUTRIENTS. 2022 Jan;14(14):2903 WB ;Mouse. 35889860
- **[IF=4.9]** Huiying Zhang. et al. Combination of Berberine and Evodiamine Alleviates Obesity by Promoting Browning in 3T3-L1 Cells and High-Fat Diet-Induced Mice. INT J MOL SCI. 2025 Jan;26(9):4170 IF ;Mouse. 40362407
- **[IF=3.189]** Tingting Li. et al. Cold exposure induces browning of bovine subcutaneous white fat in vivo and in vitro. J THERM BIOL. 2023 Feb;112:103446 WB ;Bovine. 10.1016/j.jtherbio.2022.103446