

#39784 Store at -20C

PLZF (D8G3G) Rabbit mAb



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H	Endogenous	80	Rabbit IgG	#Q05516	7704

Product Usage Information

Application

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity / Sensitivity

PLZF (D8G3G) Rabbit mAb recognizes endogenous levels of total PLZF protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val248 of human PLZF protein.

Background

PLZF (promyelocytic leukemia zinc finger), is a transcriptional repressor and an epigenetic regulator. It belongs to a large family of BTB-POZ domain containing transcriptional repressors (1). It was first discovered as a fusion partner of RAR (Retinoic Acid Receptor) in the chromosomal translocation t(11; 17) in a case of in acute promyelocytic leukemia (2). PLZF is thought to regulate hematopoietic stem cell quiescence (3,4), maintain spermatogenesis (5), and direct differentiation of distinct populations of natural killer cells (6-9).

Background References

- Collins, T. et al. (2001) *Mol Cell Biol* 21, 3609-15.
- Chen, Z. et al. (1993) *EMBO J* 12, 1161-7.
- Reid, A. et al. (1995) *Blood* 86, 4544-52.
- Doulatov, S. et al. (2009) *Genes Dev* 23, 2076-87.
- Hobbs, R.M. et al. (2010) *Cell* 142, 468-79.
- Kovalovsky, D. et al. (2008) *Nat Immunol* 9, 1055-64.
- Savage, A.K. et al. (2008) *Immunity* 29, 391-403.
- Kreslavsky, T. et al. (2009) *Proc Natl Acad Sci U S A* 106, 12453-8.
- Pobezinsky, L.A. et al. (2015) *Nat Immunol* 16, 517-24.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse **GP:** Guinea Pig **Rab:** rabbit **All:** all species expected

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