RDSYSTEMS a biotechne brand

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF2944

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DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human PLZF in direct ELISAs and Western blots.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	<i>E. coli-</i> derived recombinant human PLZF Met1-Gln254 Accession # Q05516	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

Western Blot

IIIVEC

HEL 92.1.

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Simple Western	10 µg/mL	See Below

DATA

kDa

206

118

97

55 -

38 -

29 -

17 -

PLZF	Detection of Human PLZF by Western Blot. Western blot shows lysates of HUVEC human umbilical vein endothelial cells, HEL 92.1.7 human erythroleukernic cell line, LNCaP human prostate cancer cell line, and 293T human embryonic kidney cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human PLZF Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2944) followed by HRP- conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for PLZF at approximately 85 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.
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Simple Western



PREPARATION AND STORAGE	
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	 Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Human PLZF is a 74 kDa nuclear protein that belongs to the POK family of transcriptional repressors. It is a 673 amino acid protein that contains an N-terminal BTB domain, followed by an acidic domain, a proline-rich region and a C-terminal zinc-finger domain. PLZF forms homodimers with RARa and LAZ3 with its zinc-finger region. Alternate splice forms exist which are tissue-specific and show a deletion of either the BTB domain, the acidic region, or the proline-rich region. Human PLZF shares 96%, 97%, 96%, and 96% amino acid identity with rat, mouse, canine, and bovine PLZF, respectively.

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