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[Marker Primary Antibody]

Rabbit Anti-Plzf/Cy3 Conjugated antibody

Catalog Number: SL5971R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-Plzf/Cy3
Immunogen:	KLH conjugated synthetic peptide derived from human Plzf (601-673aa)
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 Flow-Cyt=1ug/Test ICC/IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Cow,Horse)
Background:	background: Probable transcription factor. May play a role in myeloid maturation and in the development and/or maintenance of other differentiated tissues. Probable substrate-recognition component of an E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. **Function:** Probable transcription factor. May play a role in myeloid maturation and in the development and/or maintenance of other differentiated tissues. Probable substrate-recognition component of an E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. **Subunit:** Binds EPN1. Interacts with ZBTB32 and CUL3. **Subcellular Location:** Nucleus. **Tissue Specificity:** Within the hematopoietic system, PLZF is expressed in

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	bone marrow, early myeloid cell lines and peripheral blood mononuclear cells. Also expressed in the ovary, and at lower levels, in the kidney and lung. DISEASE: Defects in ZBTB16 are the cause of skeletal defects genital hypoplasia and mental retardation (SGYMR) [MIM:612447]. A disorder characterized by mental retardation, craniofacial dysmorphism, microcephaly and short stature. Additional features include absence of the thumbs, hypoplasia of the radii and ulnae, additional vertebrae and ribs, retarded bone age and genital hypoplasia. Note=A chromosomal aberration involving ZBTB16 may be a cause of acute promyelocytic leukemia (APL). Translocation t(11;17)(q32;q21) with RARA. **Similarity:** Belongs to the krueppel C2H2-type zinc-finger protein family. Contains 1 BTB (POZ) domain. Contains 9 C2H2-type zinc fingers. **Database links:** **Entrez Gene:** 534401 Cow **Entrez Gene:** 7704 Human **Entrez Gene:** 235320 Mouse **Entrez Gene:** 353227 Rat **Entrez Gene:** 323269 Zebrafish Omim: 176797 Human **SwissProt:** Q05516 Human **SwissProt:** Q802Y8 Zebrafish **Unigene:** 591945 Human **Unigene:** 682144 Human **Unigene:** 457803 Mouse **Unigene:** 214576 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.