SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

# Rabbit Anti-Plzf/Cy5 Conjugated antibody

SL5971R-Cy5

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| **Product Name** | Anti-Plzf/Cy5 |
| **Chinese Name** | Cy5 标记的早幼粒细胞白血病 Zinc finger protein 抗体 |
| **Alias** | Promyelocytic leukemia zinc finger protein; ZBT16_HUMAN; ZBTB16; Zfp145; Zinc finger and BTB domain containing 16; Zinc finger and BTB domain-containing protein 16; Zinc finger protein 145 (Kruppel like expressed in promyelocytic leukemia); Zinc finger protein 145; Zinc finger protein PLZF; Znf145. |
| **Research Area** | Tumour Cell biology Developmental biology Stem cells |
| **Immunogen Species** | Rabbit |
| **Clonality** | Polyclonal |
| **React Species** | Human,Mouse(predicted:Rat,Dog,Cow,Horse) |
| **Applications** | IF=1:100-500, Flow-Cyt=1ug/Test, ICC/IF=1:50-200<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight** | 74kDa |
| **Form** | Lyophilized or Liquid |
| **Concentration** | 1mg/ml |
| **immunogen** | KLH conjugated synthetic peptide derived from human Plzf (601-673aa) |
| **Lsotype** | IgG |
| **Purification** | affinity purified by Protein A |
| **Storage Buffer** | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. |
| **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. |
| **Product Detail** | **background:**<br>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 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.