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Plzf Rabbit pAb

Catalog # AP98061

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q05516
Other Accession	Q05516
Reactivity	Human, Mouse
Predicted	Rat, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74274
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Plzf
Epitope Specificity	581-673/673
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the krueppel C2H2-type zinc-finger protein family.Contains 1 BTB (POZ) domain. Contains 9 C2H2-type zinc fingers.
SUBUNIT	Binds EPN1. Interacts with ZBTB32 and CUL3.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	7704
Other Names	PLZF; ZNF145; Zfp145; lu; Lx; wu:fb93g12; wu:fc07c10; zbtb16; zgc:55675; ZBT16_HUMAN; Promyelocytic leukemia zinc finger protein; Zinc finger protein 145; Zinc finger protein PLZF; ZB16A_DANRE; zbtb16a; Promyelocytic leukemia zinc finger protein-A; Zinc finger protein PLZF-A; plzfa; zinc finger and BTB domain containing 16; zinc finger protein 145 (Kruppel-like, expressed in promyelocytic leukemia); promyelocytic leukaemia zinc finger

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ZBTB16
Synonyms	PLZF, ZNF145
Function	Acts as a transcriptional repressor (PubMed: 10688654, PubMed:24359566). Transcriptional repression may be mediated through recruitment of histone deacetylases to target promoters (PubMed:10688654). 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 (PubMed:14528312).
Cellular Location	Nucleus. Nucleus, nuclear body
Tissue Location	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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.