

ZBTB7B Polyclonal Antibody

Catalog number: 11341-1-AP

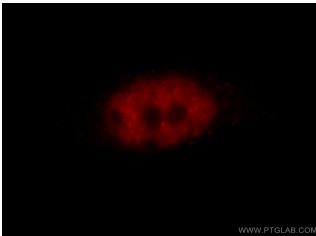
Size: 27 µg/150 µl

Source: Rabbit

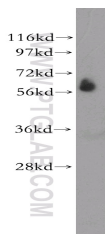
Isotype: IgG

Synonyms:

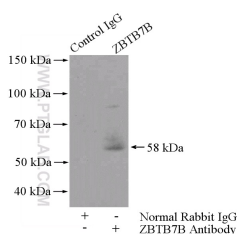
ZBTB7B; c Krox,
DKFZp686G01254, hcKrox,
THPOK, ZBTB15, ZBTB7B, Zfp
67, ZFP67, Zinc finger protein
67 homolog, Zinc finger protein
Th POK, ZNF857B



Immunofluorescent analysis of HeLa cells, using ZBTB7B antibody 11341-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



human skin tissue were subjected to SDS PAGE followed by western blot with 11341-1-AP(ZBTB7B antibody) at dilution of 1:400



IP Result of anti-ZBTB7B (IP:11341-1-AP, 4µg; Detection:11341-1-AP 1:300) with mouse skin tissue lysate 3200µg.

Background

ZBTB7B belongs to a large family of transcription factors, generally acting as repressors, characterized by a carboxy-terminal DNA binding domain made of multiple zinc fingers (four in Thpok) and an amino-terminal BTB-POZ domain that mediates homo- (and possibly hetero-) dimerization [PMID: 17084908]. Zbtb7b is up-regulated by MHC-II-restricted thymocytes during their CD4 differentiation and is a major determinant of CD4 lineage choice. Two properties of ZBTB7B deserve attention. First, although Thpok is expressed in a wide variety of cells, its expression in the thymus is highly lineage-specific : CD4 SP thymocytes (and all CD4 T cells) express Thpok, whereas DP and CD8 SP thymocytes do not. Second, both loss- and gain-of-function experiments indicate that Thpok affects lineage choice but not positive selection [PMID: 15729333, 10550051].

Applications

Tested applications:	ELISA, WB, IF, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated ZBTB7B MW:	539aa, 58 kDa
Observed ZBTB7B MW:	58kd
Positive WB detected in:	Human skin tissue
Positive IP detected in:	Mouse skin tissue
Positive IF detected in:	Hela cells, MCF-7 cells
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:1000
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1888
GenBank accession number:	BC012070
Gene ID (NCBI):	51043
Full name:	Zinc finger and BTB domain containing 7B

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.