For Research Use Only

ZBTB48 Polyclonal antibody

Catalog Number:24665-1-AP 1 Publications

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Basic Information

Catalog Number:
24665-1-AP

Size:
750 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG20301

GenBank Accession Number:
BC013573

GeneID (NCBI):
3104

UNIPROT ID:
P10074

Full Name:
zinc finger and BTB domain containing 48

Calculated MW:
688 aa, 77 kDa

Observed MW:
77 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human

Positive Controls:

WB : HEK-293 cells, K-562 cells

Background Information

ZBTB48, also named as TZAP and HKR3, is a 688 amino acid protein, which contains 1 BTB (POZ) domain and 11 C2H2-type zinc fingers and belongs to the krueppel C2H2-type zinc-finger protein family. ZBTB48 is detected in adrenal gland and neuroblastoma. ZBTB48 binds to and regulates the J and/or S elements in MHC II promoter. Zinc finger and BTB domain containing 48 (ZBTB48), also known as telomeric zinc-finger associated protein (TZAP), is a protein that triggers the trimming of telomeres in the absence of shelterin. ZBTB48, is a relatively uncharacterized POK family protein with a POZ-domain and 11 zinc finger domains. ZBTB48, is ubiquitously expressed in human tissues. The ZBTB48 gene is mapped to human chromosome 1p36, which is commonly rearranged (leiomyoma and leukemias) or deleted in various cancers (neuroblastoma, melanoma, Merkel cell carcinomas, pheochromocytoma and breast and colon carcinomas. A correlation between deletions or rearrangements of HKR3 and human cancer suggest a role for ZBTB48 as a potential tumor suppressor.

Notable Publications

Author	Pubmed ID	Journal	Application
Eun Young Yu	34799676	Commun Biol	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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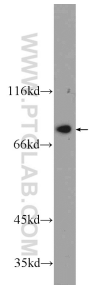
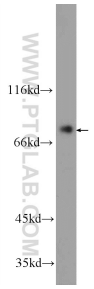
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 24665-1-AP (ZBTB48 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 24665-1-AP (ZBTB48 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.