

Rabbit anti-Human ZBTB48 Polyclonal Antibody | anti-ZBTB48 antibody

Anti-ZBTB48 Antibody Picoband

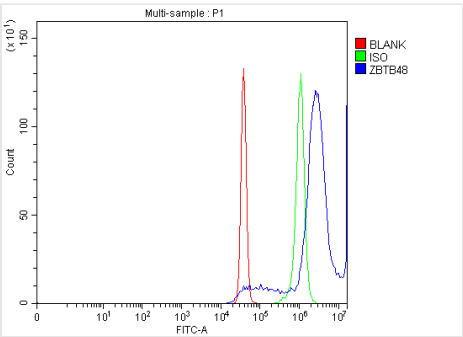
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126619	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

ZBTB48; Polyclonal Antibody; Anti-ZBTB48 Antibody Picoband; anti-ZBTB48 antibody

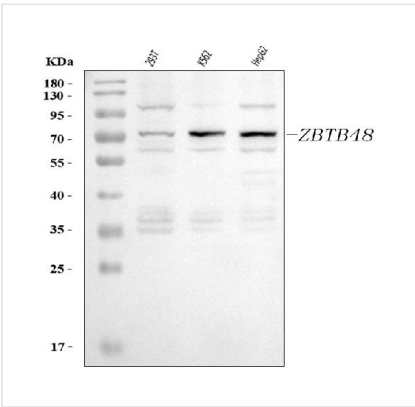
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ZBTB48 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human ZBTB48 recombinant protein (Position: M1-M623).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of SiHa cells using anti-ZBTB48 antibody (AAA126619). Overlay histogram showing SiHa cells stained with AAA126619 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ZBTB48 Antibody (AAA126619, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of ZBTB48 using anti-ZBTB48 antibody (AAA126619). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human 293T whole cell lysates, Lane 2: human K562 whole cell lysates, Lane 3: human HepG2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ZBTB48 antigen affinity purified polyclonal antibody (#AAA126619) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ZBTB48 at approximately 77 kDa. The expected band size for ZBTB48 is at 77 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ZBTB48 antibody	Zinc finger and BTB domain containing 48 (ZBTB48), also known as telomeric zinc-finger associated protein (TZAP), is a protein that directly binds to the double-stranded repeat sequence of telomeres. In humans it is encoded by the ZBTB48 gene. 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.
Product Categories/Family for anti-ZBTB48 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	520975358
NCBI GeneID	3104
NCBI Accession #	NP_001265576.1
NCBI GenBank Nucleotide #	NM_001278647.1
UniProt Accession #	P10074; Q5SY19
Molecular Weight	77,054 Da
NCBI Official Full Name	zinc finger and BTB domain-containing protein 48

NCBI Official Synonym Full Names	zinc finger and BTB domain containing 48
NCBI Official Symbol	ZBTB48
NCBI Official Synonym Symbols	HKR3; ZNF855; pp9964
NCBI Protein Information	zinc finger and BTB domain-containing protein 48
UniProt Protein Name	Zinc finger and BTB domain-containing protein 48
UniProt Gene Name	ZBTB48
UniProt Synonym Gene Names	HKR3; ZNF855
UniProt Entry Name	ZBT48_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/zbtb48-antibody-western-blot-flow-cytometry-elisa/126619>