

ZBTB48 Antibody

Catalog No: #48518



Package Size: #48518-1 50ul #48518-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

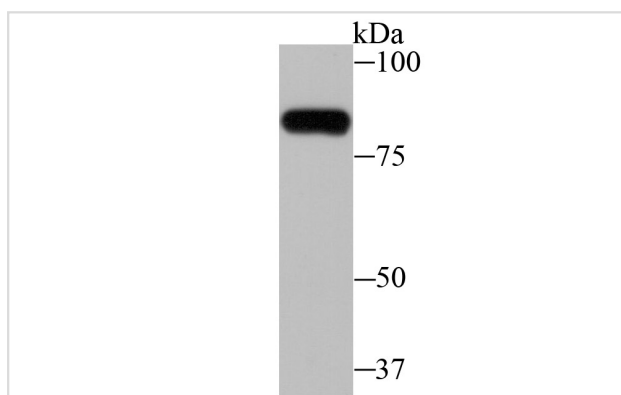
Description

Product Name	ZBTB48 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB,ICC,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Peptide
Other Names	0610011D15Rik antibody AI327031 antibody GLI Kruppel family member HKR3 antibody HKR3 antibody Krueppel related zinc finger protein 3 antibody Krueppel-related zinc finger protein 3 antibody OTTMUSP00000031803 antibody pp9964 antibody Protein HKR3 antibody RP23-445E20.3 antibody ZBT48_HUMAN antibody ZBTB 48 antibody Zbtb48 antibody Zinc finger and BTB domain containing 48 antibody Zinc finger and BTB domain containing protein 48 antibody Zinc finger and BTB domain-containing protein 48 antibody Zinc finger protein 855 antibody ZNF855 antibody
Accession No.	Swiss-Prot#:P10074
Calculated MW	77 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

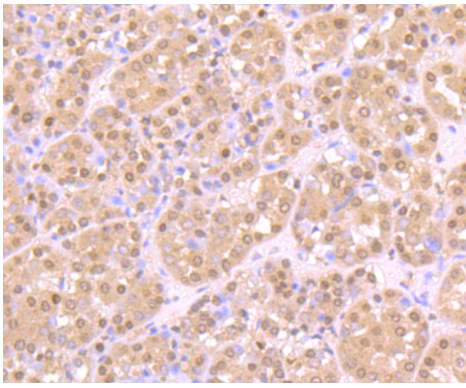
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:200

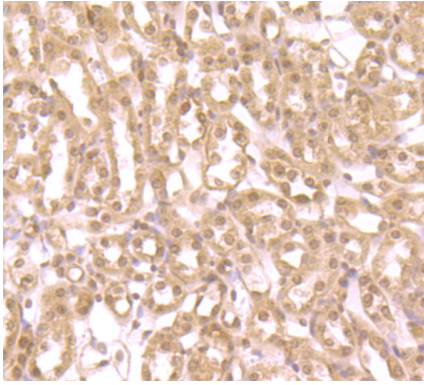
Images



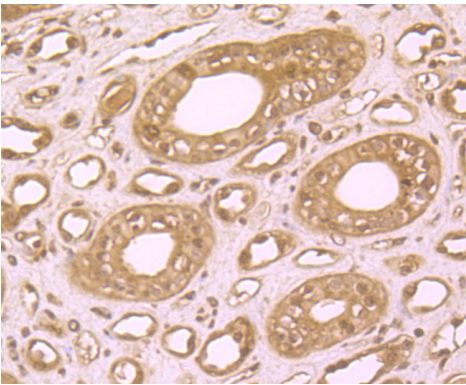
Western blot analysis of ZBTB48 on mouse spleen tissue lysate using anti-ZBTB48 antibody at 1/1,000 dilution.



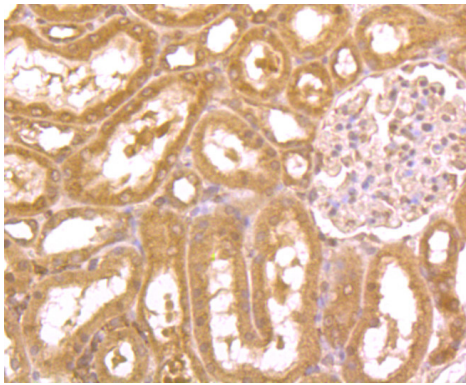
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-ZBTB48 antibody. Counter stained with hematoxylin.



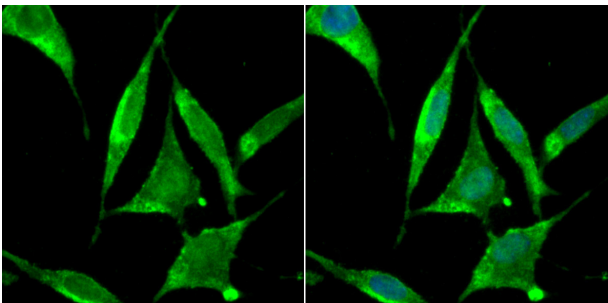
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-ZBTB48 antibody. Counter stained with hematoxylin.



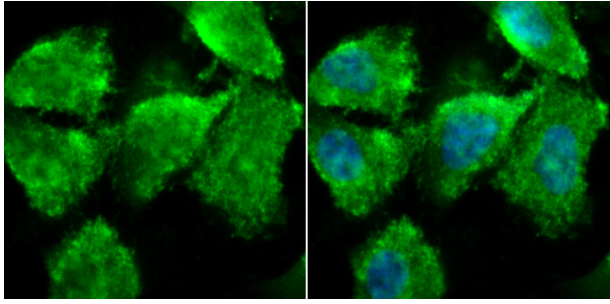
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-ZBTB48 antibody. Counter stained with hematoxylin.



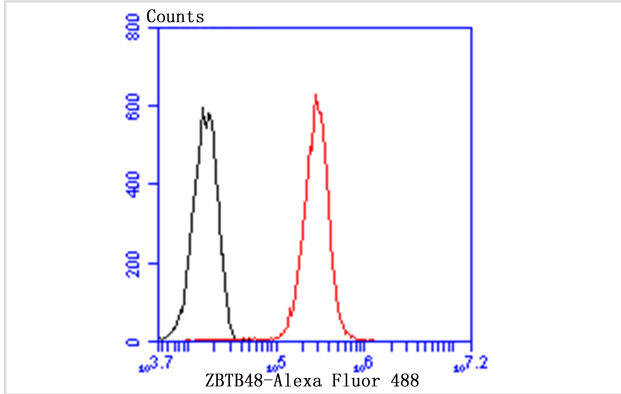
Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-ZBTB48 antibody. Counter stained with hematoxylin.



ICC staining ZBTB48 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ZBTB48 in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with ZBTB48 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated Goat anti rabbit IgG was used as the secondary antibody.

Background

Telomere-binding protein that acts as a regulator of telomere length. Directly binds the telomeric double-stranded 5'-TTAGGG-3' repeat. Preferentially binds to telomeres that have a low concentration of shelterin complex and acts as a regulator of telomere length by initiating telomere trimming, a process that prevents the accumulation of aberrantly long telomeres. Also acts as a transcription regulator that binds to promoter regions. Regulates expression of a small subset of genes, including MTFP1. Regulates expression the J and/or S elements in MHC II promoter. Acts as a negative regulator of cell proliferation by specifically activating expression of ARF, a tumor suppressor isoform of CDKN2A.

References

1. Sugawara M et al. A factor that regulates the class II major histocompatibility complex gene DPA is a member of a subfamily of zinc finger proteins that includes a Drosophila developmental control protein. *Mol Cell Biol* 14:8438-8450 (1994).
2. Yoon J H et al. Human Kruppel-related 3 (HKR3) is a novel transcription activator of alternate reading frame (ARF) gene. *J Biol Chem* 289:4018-4031 (2014).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.