bs-8523R

[Primary Antibody]

TET1 Rabbit pAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Polyclonal
GeneID: 80312
SWISS: Q8NFU7
Target: TET1
Immunogen: KLH conjugated synthetic peptide derived from human TET1: 1501-1680/2136.
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: TET1 (tet oncogene 1), also known as LCX or CXXC6, is a 2,136 amino acid protein that localizes to the nucleus and contains one CXXC-type zinc finger. Expressed in adult ovary, thymus and skeletal muscle and also present in fetal lung, heart and brain, TET1 is thought to play a role in the development of fetal organs and may also be involvement in the pathoegenesis and metastasis of acute myeloid leukemia (AML). The gene encoding TET1 maps to human chromosome 10, which houses over 1,200 genes and comprises nearly 4.5% of the human genome. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromatic deafness, Wolman’ s syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

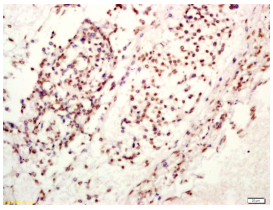
Applications:
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:50-200)
Flow-Cyt (2ug/Test)
ICC/IF (1:25)

Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)

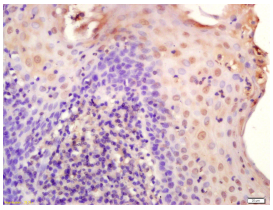
Predicted MW.: 235 kDa

Subcellular Location: Nucleus

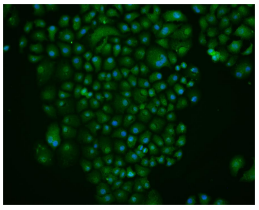
VALIDATION IMAGES



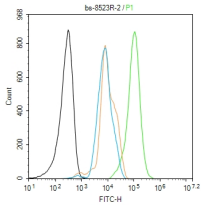
Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-TET1 Polyclonal Antibody, Unconjugated(bs-8523R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-TET1 Polyclonal Antibody, Unconjugated(bs-8523R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (TET1) polyclonal Antibody, Unconjugated (bs-8523R) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control（black line）:HepG2. Primary

Antibody (green line): Rabbit Anti-TET1 antibody (bs-8523R) Dilution:2ug/Test; Secondary Antibody（white blue line）: Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Isotype control（orange line）: Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20℃, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=4.005]** Wang A et al. miR-29a-5p/STAT3 Positive Feedback Loop Regulates TETs in Colitis-Associated Colorectal Cancer. Inflamm Bowel Dis. 2019 Nov 21. pii: izz281. ICC ;Human&Rat. 31750910