bs-17613R **[Primary Antibody]**

TET3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 200424 **SWISS:** O43151

Target: TET3

Immunogen: KLH conjugated synthetic peptide derived from human TET3: 1561-1660/1660.

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: Members of the ten-eleven translocation (TET) gene family, including TET3, play a role in the DNA methylation process (Langemeijer et al., 2009 [PubMed 19923888]).[supplied by OMIM, Nov 2010]

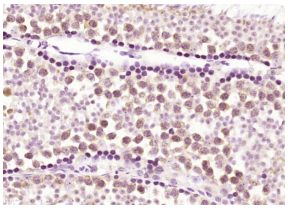
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:200-800)
Flow-Cyt (2ug/Test)
ICC/IF (1:100-500)

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

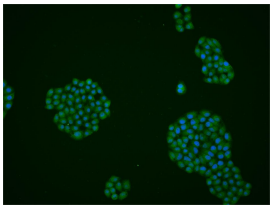
Predicted MW.: 179 kDa

Subcellular Location: Cytoplasm ,Nucleus

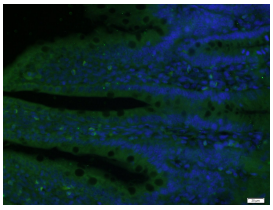
VALIDATION IMAGES



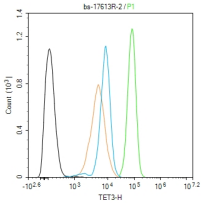
Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TET3) Polyclonal Antibody, Unconjugated (bs-17613R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



MCF-7 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 (TET3) polyclonal Antibody, Unconjugated (bs-17613R) 1:50, 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.



Paraformaldehyde-fixed, paraffin embedded (Rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TET3) Polyclonal Antibody, Unconjugated (bs-17613R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.



Blank control（black line）:MCF-7. Primary Antibody (green line): Rabbit Anti-TET3 antibody (bs-17613R) 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°C, 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=10.171]** Qi Wu. et al. Glut10 restrains neointima formation by promoting SMCs mtDNA demethylation and improving mitochondrial function. TRANSL RES. 2023 May;: WB ;Rat. 37220836
- **[IF=2.3]** Bo Qiu. et al. Association between SPRY1 and TET3 in skin photoaging and natural aging mechanisms. J COSMET DERMATOL-US. 2023 Dec;: WB ;Human. 38054565