

## Anti-TET1 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit)
Molecular Weight:	Theoretical: 235 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-TET1 Polyclonal Antibody, Unconjugated (TMAB-13460) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining</p> <p>2. Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-TET1 Polyclonal Antibody, Unconjugated (TMAB-13460) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining</p> <p>3. Blank control (black line): HepG2.</p> <p>Primary Antibody (green line): Rabbit Anti-TET1 antibody (TMAB-13460) Dilution: 2 µg/Test; Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 0.5 µg/Test. Isotype control (orange line): Normal Rabbit IgG</p> <p>Protocol The cells were fixed with 4% PFA (10 min 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.</p>	
	Application:	IHC-P, IHC-Fr, IF, FCM
	Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:50-200; FCM: 2µg/Test

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human TET1  
Antigen Species: Human  
Gene ID: 80312  
Uniprot ID: Q8NFU7

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### Research 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 pathogenesis 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, nonsyndromic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481