antibodies -online.com





Datasheet for ABIN7464226

anti-TET1 antibody



()	ve	K\ /		
	\cup	1 V/	Щ.	V۷

0.701.71017		
Quantity:	100 μL	
Target:	TET1	
Reactivity:	Human	
Host:	Mouse	
Clonality:	Monoclonal	
Conjugate:	This TET1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)	
Product Details		
Immunogen:	Recombinant protein encompassing a sequence within the center region of human TET1. The exact sequence is proprietary.	
Clone:	GT1462	
Isotype:	lgG2b	
Cross-Reactivity:	Human, Mouse	
Purification:	Affinity purified by Protein G.	
Grade:	KO Validated	
Target Details		
Target:	TET1	

Target Details

Alternative Name:	tet methylcytosine dioxygenase 1 (TET1 Products)	
Background:	Tet methylcytosine dioxygenase 1, CXXC6, LCX, bA119F7.1,Dioxygenase that specifically binds methylcytosine (5mC), a minor base in mammalian DNA found in repetitive DNA elements that is crucial for retrotransposon silencing and mammalian development. Catalyzes the conversion of methylcytosine (5mC) to 5-hydroxymethylcytosine (hmC). The clear function of 5-hydroxymethylcytosine (hmC) is still unclear but it may influence chromatin structure and recruit specific factors or may constitute an intermediate component in cytosine demethylation. 5-hydroxymethylcytosine (hmC) is present in ES cells and is enriched in the brain, especially in Purkinje neurons. May play a role in the fetal development of heart, lung and brain.	
Molecular Weight:	235 kDa	
Gene ID:	80312	
UniProt:	Q8NFU7	
Pathways:	Stem Cell Maintenance, Warburg Effect	
Application Details		
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.	
Comment:	Positive Control: 293T , DDDDK-human TET1-transfected 293T cells , NT2D1 nuclear extract Validation: KO/KD, Orthogonal, Overexpression	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	PBS, No Preservative	
Preservative:	Without preservative	
Storage:	4 °C,-20 °C	
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For she (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or multiple freeze-thaw cycles.		