

For Research Use Only

TET1 Polyclonal antibody

Catalog Number: 55307-1-AP



Basic Information

Catalog Number: 55307-1-AP	GenBank Accession Number: NM_030625	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 273 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80312	
Source: Rabbit	Full Name: tet oncogene 1	
Isotype: IgG	Calculated MW: 235 kDa	

Applications

Tested Applications:
ELISA

Species Specificity:
human

Background Information

TET1 (also named CXXC6, KIAA1676 or LCX), belongs to the TET family (Tet1-3) which catalyzes the conversion of methylcytosine (5mC) to 5-hydroxymethylcytosine (hmC). TET1 binds throughout the genome of embryonic stem cells, with the majority of binding sites located at transcription start sites of CpG-rich promoters and within genes. Knockdown of Tet1 in preimplantation embryos resulted in a bias towards trophectoderm differentiation. Tet1 can associate with either active or repressed transcriptional states and be identified as new epigenetic factor implicated in the establishment and/or maintenance of a pluripotent epigenetic state during early embryonic development. Tet1 is highly expressed in ES cells and is rapidly downregulated upon differentiation. This antibody is specific to TET1.

Storage

Storage:
Store at -20°C.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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Selected Validation Data