

TET1 Polyclonal antibody

Catalog Number: 55307-1-AP

Basic Information

Catalog Number:

55307-1-AP

Size:

270 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_030625

GeneID (NCBI):

80312

UNIPROT ID:

Q8NFU7

Full Name:

tet oncogene 1

Calculated MW:

235 kDa

Purification Method:

Antigen affinity purification

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

