

For Research Use Only

# CoraLite® Plus 488-conjugated TET2 Polyclonal antibody

Catalog Number: CL488-21207

Featured Product



## Basic Information

Catalog Number:

CL488-21207

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15583

GenBank Accession Number:

BC150180

GeneID (NCBI):

54790

UNIPROT ID:

Q6N021

Full Name:

tet oncogene family member 2

Calculated MW:

2002 aa, 224 kDa

Observed MW:

130 kDa, 133 kDa, 224 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse

## Background Information

TET2 is an enzyme which converts 5-methylcytosine (5-mC) to 5-hydroxymethylcytosine (5-hmC) in DNA and is important for normal myelopoiesis. TET2 mutations are frequently observed in myeloid malignancies, including myeloproliferative neoplasms. TET2 is broadly expressed in a variety of tissues. In healthy tissues, TET2 expression was shown to be elevated in hematopoietic cells with highest expression in granulocytes. Three isoforms of TET2 exists due to the alternative splicing. 220-250 kDa bands represent the full-length isoform; 130-133 kDa bands represent the nuclear isoforms of TET2. (PMID: 24615693) This antibody recognizes all three isoforms of TET2.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

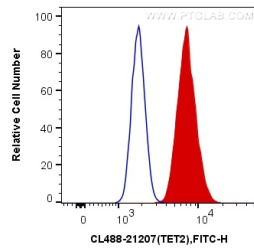
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human TET2 (CL488-21207) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).