TET2
Polyclonal ANTIBODY
Catalog Number: 21207-1-AP

Basic Information
Catalog Number: 21207-1-AP
Size: 60 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG15583

GenBank Accession Number: BC150180
GeneID (NCBI): 54790
Full Name: Tet oncogene family member 2

Recommended Dilutions:
WB: 1:500-1:1000
IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB
IHC: 1:50-1:500

Observed MW: 130 kDa, 133 kDa, 224 kDa
Calculated MW: 2002aa, 224 kDa

Recommended Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
chIP, IF, IHC, WB

Species Specificity:
human, mouse

Cited Species:
human, mouse

Applications
Tested Applications:
IF, IHC, IP, WB, ELISA

Positive Controls:
WB: HL-60 cells, A549 cells, HEK-293 cells, human brain tissue
IP: mouse brain tissue;
IHC: mouse embryo tissue;
IF: Neuro-2a cells;

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.

Notable Publications

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<th>Author</th>
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<tr>
<td>Yajing Mi</td>
<td>26378818</td>
<td>Int J Mol Sci</td>
<td>WB, IF</td>
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<td>Xiaoliang Li</td>
<td>29773948</td>
<td>J Biol Chem</td>
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<td>Jie Gao</td>
<td>27113984</td>
<td>Protein Cell</td>
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Storage
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (312) 455-8498 (outside USA)
E proteintech@ptglab.com
W ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
HL-60 cells were subjected to SDS-PAGE followed by western blot with 21207-1-AP (TET2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.


Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using 21207-1-AP (TET2 antibody) at dilution of 1:50 and Alexa Fluor 488 Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunohistochemistry of paraffin-embedded mouse embryo tissue slide using 21207-1-AP (TET2 Antibody) at dilution of 1:200 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer(H6).

Immunohistochemistry of paraffin-embedded mouse embryo tissue slide using 21207-1-AP (TET2 Antibody) at dilution of 1:200 (under 40x lens), heat mediated antigen retrieved with Tris-EDTA buffer(H6).