

Rabbit TET2 Polyclonal Antibody | anti-TET2 antibody

TET2 Polyclonal Antibody

CATALOG # AAA179552	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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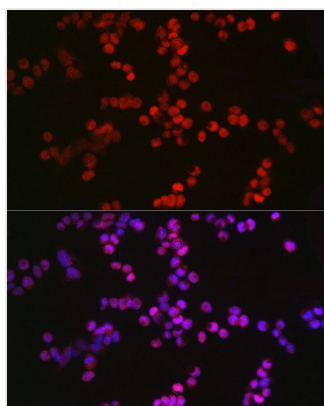
PRODUCT SYNONYMS

TET2; Polyclonal Antibody; TET2 Polyclonal Antibody; Ayu17-44; Ayu17-449; mKIAA1546; E130014J05Rik; anti-TET2 antibody

PRODUCT SPECIFICATIONS

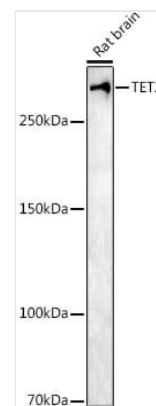
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-TET2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of mouse TET2
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



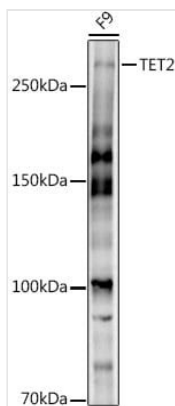
IF (Immunofluorescence)

Immunofluorescence analysis of F9 cells using TET2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of Rat brain using TET2 Polyclonal Antibody at 1:1000 dilution.



WB (Western Blot)

Western blot analysis of extracts of F9 cells using TET2 Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-TET2 antibody	Dioxygenase that catalyzes the conversion of the modified genomic base 5-methylcytosine (5mC) into 5-hydroxymethylcytosine (5hmC) and plays a key role in active DNA demethylation. Has a preference for 5-hydroxymethylcytosine in CpG motifs. Also mediates subsequent conversion of 5hmC into 5-formylcytosine (5fC), and conversion of 5fC to 5-carboxylcytosine (5caC). Conversion of 5mC into 5hmC, 5fC and 5caC probably constitutes the first step in cytosine demethylation. Methylation at the C5 position of cytosine bases is an epigenetic modification of the mammalian genome which plays an important role in transcriptional regulation. In addition to its role in DNA demethylation, also involved in the recruitment of the O-GlcNAc transferase OGT to CpG-rich transcription start sites of active genes, thereby promoting histone H2B GlcNAcylation by OGT.
Product Categories/Family for anti-TET2 antibody	Antibodies ; Primary Antibodies ; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	1092878820
NCBI GeneID	214133
NCBI Accession #	NP_001333665.1
NCBI GenBank Nucleotide #	NM_001346736.1
UniProt Accession #	Q4JK59; Q3U5R5; Q3U633; Q3UAI0; Q6ZPN2; Q8K2K3
Molecular Weight	68,060 Da
NCBI Official Full Name	methylcytosine dioxygenase TET2 isoform 2
NCBI Official Synonym Full Names	tet methylcytosine dioxygenase 2
NCBI Official Symbol	Tet2
NCBI Official Synonym Symbols	Ayu17-449; mKIAA1546; E130014J05Rik
NCBI Protein Information	methylcytosine dioxygenase TET2
UniProt Protein Name	Methylcytosine dioxygenase TET2
UniProt Gene Name	Tet2
UniProt Synonym Gene Names	Kiaa1546

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.