

Rabbit anti-Human, Mouse TET2 Polyclonal Antibody | anti-TET2 antibody

TET2 Antibody

CATALOG # AAA322915	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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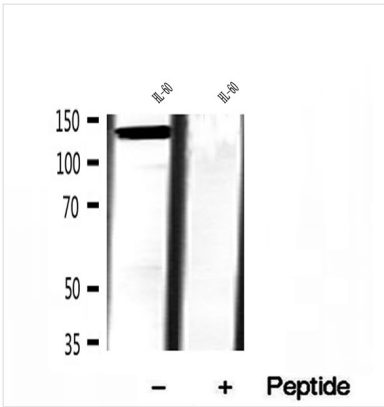
PRODUCT SYNONYMS

TET2; Polyclonal Antibody; TET2 Antibody; FLJ20032; KIAA1546; MDS; Methylcytosine dioxygenase TET2; Nbla00191; Probable methylcytosine dioxygenase TET2; Protein Ayu17 449; Tet 2; Tet methylcytosine dioxygenase 2; Tet oncogene 2; Tet oncogene family member 2; TET2_HUMAN; anti-TET2 antibody

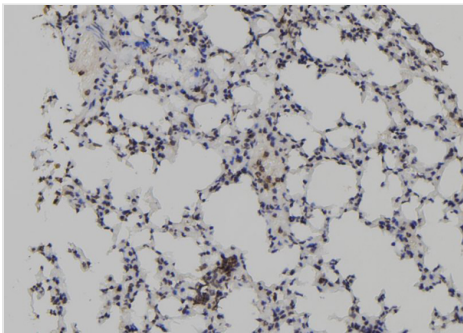
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	TET2 antibody detects endogenous levels of TET2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	2002
Applicable Applications for anti-TET2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TET2.
Tissue Specificity	Broadly expressed. Highly expressed in hematopoietic cells; highest expression observed in granulocytes. Expression is reduced in granulocytes from peripheral blood of patients affected by myelodysplastic syndromes.
Predicted Cross Reactivity	Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Zebrafish (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of HL-60 cells, using TET2 antibody.



IHC (Immunohistochemistry)
AAA322915 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-TET2 antibody	Function: 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. Subunit Structure: Interacts with HCFC1 and OGT. Post-translational Modifications: May be glycosylated. It is unclear whether interaction with OGT leads to GlcNAcylation. According to a report, it is not GlcNAcyated by OGT (PubMed:23353889). In contrast, another group reports GlcNAcylation by OGT in mouse ortholog. Similarity: Belongs to the TET family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187761317
NCBI GeneID	54790
NCBI Accession #	NP_001120680.1
NCBI GenBank Nucleotide #	NM_001127208.2
UniProt Accession #	Q6N021; Q2TB88; Q3LIB8; Q96JX5; Q9HCM6; Q9NXW0; B5MDU0
Molecular Weight	Observed: 130 kDa; 133 kDa; 224 kDa Predicted: 224 kDa
NCBI Official Full Name	methylcytosine dioxygenase TET2 isoform a
NCBI Official Synonym Full Names	tet methylcytosine dioxygenase 2
NCBI Official Symbol	TET2
NCBI Official Synonym Symbols	MDS; KIAA1546
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/tet2-antibody-immunohistochemistry-western-blot-elisa/322915>