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Datasheet for ABIN7159637

## anti-TET2 antibody (AA 1833-2002)

### 3 Images

#### Overview

Quantity:	100 µL
Target:	TET2
Binding Specificity:	AA 1833-2002
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TET2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

#### Product Details

Immunogen:	Recombinant Human Methylcytosine dioxygenase TET2 protein (1833-2002AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

#### Target Details

Target:	TET2
Alternative Name:	TET2 ( <a href="#">TET2 Products</a> )
Background:	Background: 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

## Target Details

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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.

Aliases: FLJ20032 antibody, KIAA1546 antibody, MDS antibody, Methylcytosine dioxygenase TET2 antibody, Nbla00191 antibody, Probable methylcytosine dioxygenase TET2 antibody, Protein Ayu17 449 antibody, Tet 2 antibody, Tet methylcytosine dioxygenase 2 antibody, Tet oncogene 2 antibody, Tet oncogene family member 2 antibody, TET2 antibody, TET2\_HUMAN antibody

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UniProt: [Q6N021](#)

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Pathways: [Warburg Effect](#)

## Application Details

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Application Notes: Recommended dilution: IHC:1:20-1:200,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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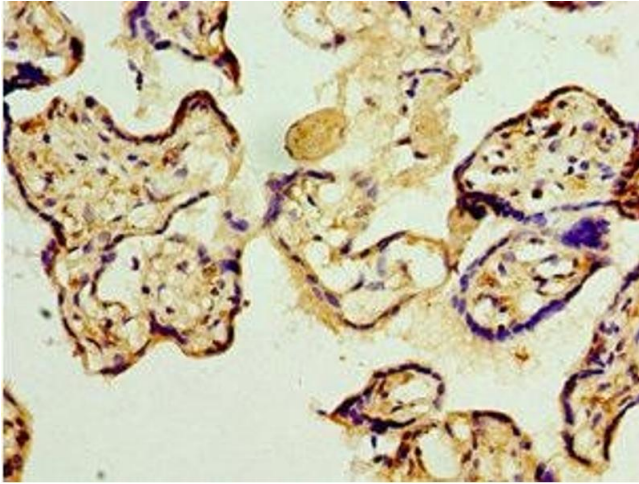
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

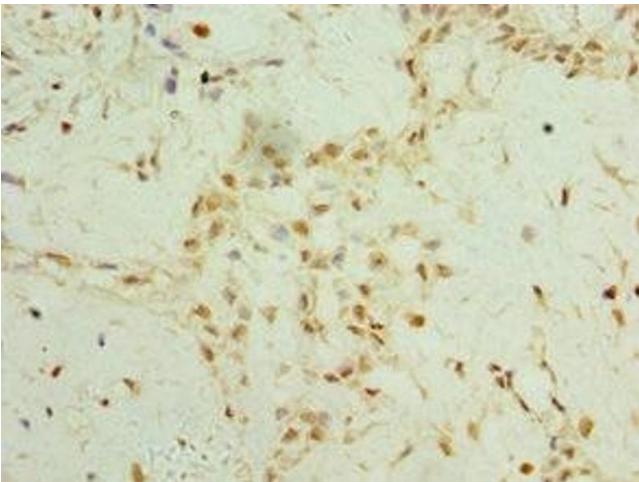
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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



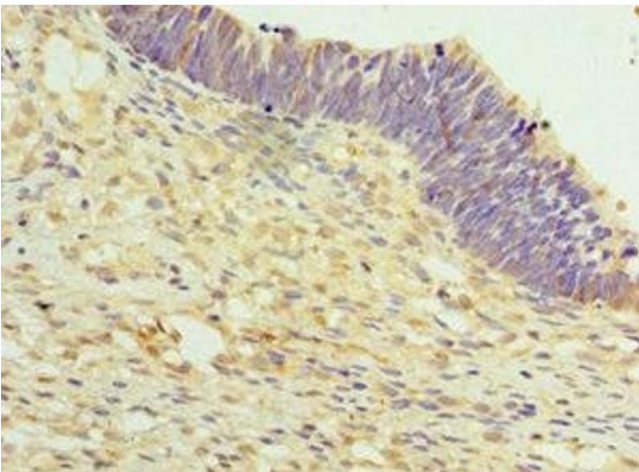
#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7159637 at dilution of 1:100



#### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7159637 at dilution of 1:100



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human ovarian cancer using ABIN7159637 at dilution of 1:100