Datasheet for ABIN1402774

# anti-TET2 antibody (AA 1165-1215) (AbBy Fluor® 488)

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | TET2 |
| Binding Specificity: | AA 1165-1215 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TET2 antibody is conjugated to AbBy Fluor® 488 |
| Application: | Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

| | |
|---|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human TET2 |
| Isotype: | IgG |
| Purification: | Purified by Protein A. |

## Target Details

| | |
|---|---|
| Target: | TET2 |
| Alternative Name: | TET2 (TET2 Products) |
| 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 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 |

## Target Details

| | |
|---|---|
| | (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.<br>Synonyms: MDS, KIAA1546, Methylcytosine dioxygenase TET2, TET2, Nbla00191 |
| Gene ID: | 54790 |
| UniProt: | Q6N021 |
| Pathways: | Warburg Effect |

## Application Details

| | |
|---|---|
| Application Notes: | IF(IHC-P): (1:50-200)<br>Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 100 µg/mL BSA, 50 % glycerol and 0.09 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at 4 °C for 12 months. |
| Expiry Date: | 12 months |