Mouse anti-Human Tet2 Monoclonal Antibody | anti-Tet2 antibody

Tet2 antibody (mAb)(Clone 21F11)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60018	**Mouse**	**Human**	**Western Blot, Immunoprecipitation, Immunofluorescence, Immunocytochemistry**

PRODUCT SYNONYMS

Tet2; Monoclonal Antibody; Tet2 antibody (mAb)(Clone 21F11); MDS; KIAA1546; anti-Tet2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	21F11
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-Tet2 antibody	WB (Western Blot), IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry)
Immunogen	This antibody was raised against a recombinant protein corresponding to amino acids 1-300 of human Tet2.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)
Tes2 antibody (mAb) (Clone 21F11) tested by Western blot. Tet2 detection by Western blot. Lane 1: HL-60 whole cell lysate (40 ug). Lane 2: Lymphoblastoid Tet2 negative (-/-) whole cell lysate (40 ug). Lane 3: Lymphoblastoid Tet2 positive (+/+) whole cell lysate (40 ug). All probed with Tet2 antibody at a 1 ug/ml dilution.



IP (Immunoprecipitation)
Tes2 antibody (mAb) (Clone 21F11) tested by Immunoprecipitation. Tet2 detection by Immunoprecipitation. Lane 1: Input (25 ug of HL-60 whole cell lysate). Lane 2: Negative control mAb. Lane 3: Tet2 antibody at 1 ug/ml. 250 ug of HL-60 whole cell lysate per IP.

ADDITIONAL INFORMATION

Related Product Information for anti-Tet2 antibody	Short Description: Our Tet2 antibody (mAb)(Clone 21F11) was raised in a Mouse host. It has been validated for use in Immunocytochemistry, Immunofluorescence, Immunoprecipitation and Western blot; it has been shown to react with Human samples. Background: Tet2 (tet methylcytosine dioxygenase 2) catalyzes the conversion of methylcytosine (5mC) to 5-hydroxymethylcytosine (5hmC). Plays an important role in myelopoiesis. The clear function of 5-hydroxymethylcytosine (hmC) is still unclear but it may influence chromatin structure and recruit specific factors or may constitute an intermediate component in cytosine demethylation and differentiation in the case of inflammation by regulating gene expression and macrophage differentiation.
Product Categories/Family for anti-Tet2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	187761317
NCBI GeneID	54790
NCBI Accession #	NP_001120680; AB_2736901
NCBI GenBank Nucleotide #	NM_001127208.2
UniProt Accession #	Q6N021; Q2TB88; Q3LIB8; Q96JX5; Q9HCM6; Q9NXW0; B5MDU0
Molecular Weight	133,481 Da
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; tet oncogene family member 2; probable methylcytosine dioxygenase TET2
UniProt Protein Name	Methylcytosine dioxygenase TET2
UniProt Gene Name	**TET2**
UniProt Synonym Gene Names	KIAA1546
UniProt Entry Name	TET2_HUMAN

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://stage.aaabiotech.com/monoclonal/tet2-antibody-clone-21f11-western-blot-immunoprecipitation-immunofluorescence-immunocytochemistry-elisa/60018