

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB09642 - Goat Anti-TET2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TET2, tet oncogene family member 2, FLJ20032, KIAA1546,

MGC125715, OTTHUMP00000161869

Official Symbol: TET2

Accession Number(s): NP_001120680.1; NP_060098.3

Human GeneID(s): 54790

Non-Human GenelD(s): 214133 (mouse)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_001120680.1; NP_060098.3).

Immunogen

Peptide with sequence C-PHPQSNNDQQREGSF, from the internal region of the protein sequence according to NP_001120680.1; NP_060098.3.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

IHC: In paraffin embedded Human Spleen shows nuclear staining in select splenocytes. Recommended concentration: 2-6µg/ml.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Dog

Specific References

This antibody (previous batch) has been successfully used in IHC on Mouse:

Rakoczy J, Padmanabhan N, Krzak AM, Kieckbusch J, Cindrova-Davies T, Watson ED Dynamic expression of TET1, TET2,

and TET3 dioxygenases in mouse and human placentasthroughout gestation.

Placenta. 2017 Nov;59:46-56.

PMID: 29108636

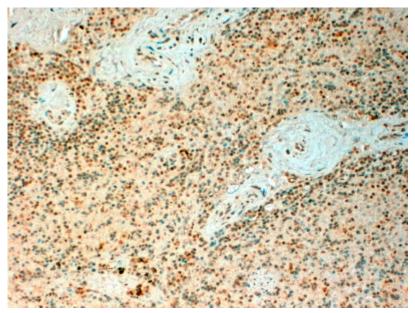
This antibody (previous batch) has been successfully used in IHC on Human:

Orr BA, Haffner MC, Nelson WG, Yegnasubramanian S, Eberhart CG.

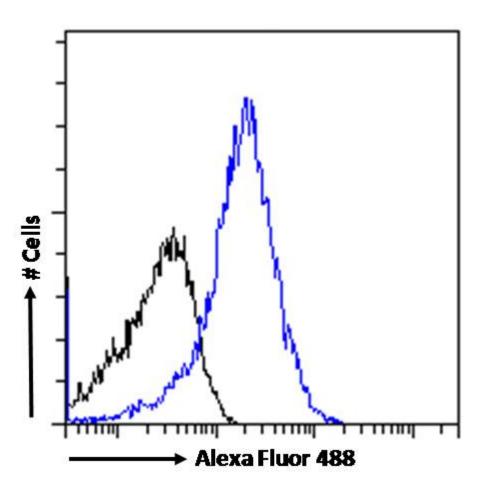
Decreased 5-hydroxymethylcytosine is associated with neural progenitor phenotype in normal brain and shorter survival in malignant glioma.

PLoS One. 2012;7(7):e41036. 2012 Jul 19

PMID: 22829908



EB09642 (4µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



EB09642 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.