



## International Office

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**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 GenelD(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

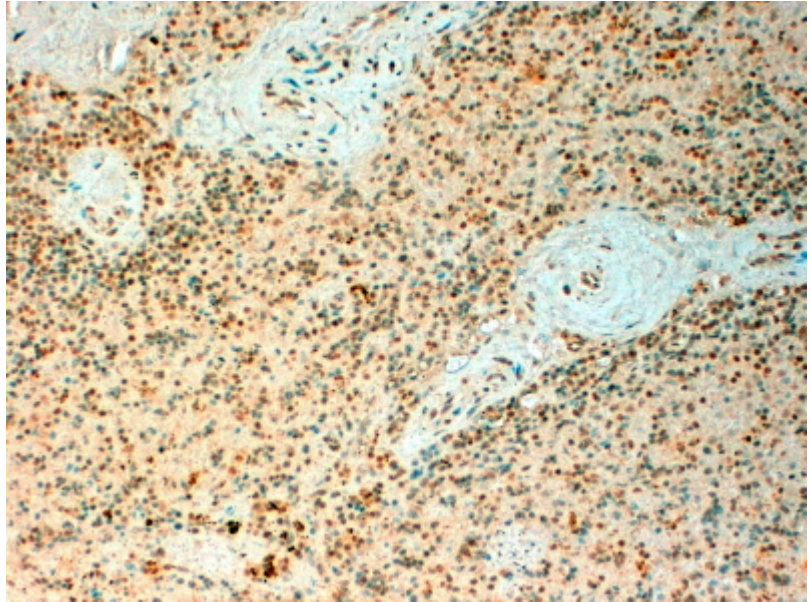
### Specific References

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

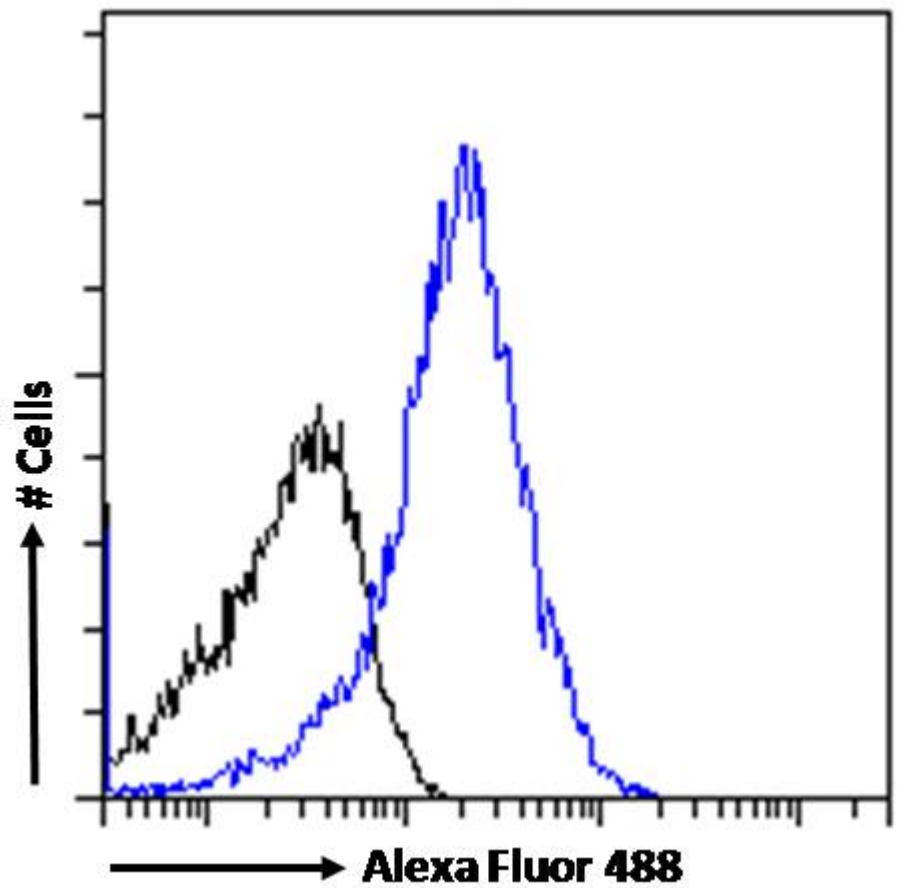
Rakoczy J, Padmanabhan N, Krzak AM, Kieckbusch J, Cindrova-Davies T, Watson ED  
Dynamic expression of TET1, TET2,  
and TET3 dioxygenases in mouse and human placenta throughout gestation.  
Placenta. 2017 Nov;59:46-56.  
PMID: 29108636

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

Orr BA, Haffner MC, Nelson WG, Yegnashubramanian 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.