

For Research Use Only

# TET3 Polyclonal antibody

Catalog Number: 22612-1-AP



## Basic Information

<b>Catalog Number:</b> 22612-1-AP	<b>GenBank Accession Number:</b> BC022243	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 200424	<b>Recommended Dilutions:</b> IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> tet oncogene family member 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1660 aa, 179 kDa	
<b>Immunogen Catalog Number:</b> AG18379		

## Applications

<b>Tested Applications:</b> IF, IHC, ELISA	<b>Positive Controls:</b> IHC : mouse brain tissue, IF : U2OS cells,
<b>Species Specificity:</b> human, mouse	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Ten-eleven translocation protein 3 (TET3) belongs to the family of ten-eleven translocations (TETs) which induce DNA demethylation and gene regulation at the epigenetic level by converting 5-methylcytosine (5mC) to 5-hydroxymethylcytosine (5hmC) (PMID: 31656201). In ovarian cancer, TET3 is reported as an oncogene or tumor suppressor during tumorigenesis and overexpressed in ovarian cancer tissues (PMID: 27141829).

## Storage

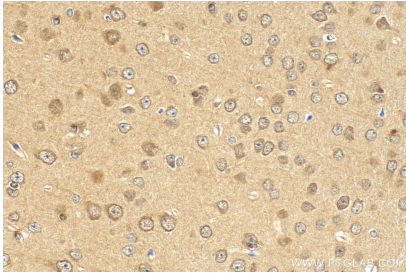
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

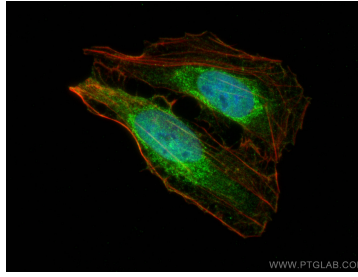
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 22612-1-AP (TET3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using TET3 antibody (22612-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).