

## Anti-Phospho-OLIG2 (Ser10+Ser13+Ser14) Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Chicken,Cow)
Molecular Weight:	Theoretical: 32 kDa.
Purification:	Protein A purified

### Applications

Blank control (black line): U87MG.  
Primary Antibody (green line): Rabbit Anti-phospho-OLIG2 (Ser10+Ser13+Ser14) antibody (TMAB-11073)  
Dilution: 1 µg/Test;  
Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488  
Dilution: 0.5 µg/Test.

Verified Activity: Isotype control (orange line): Normal Rabbit IgG Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

Application: FCM  
Recommended FCM: 1µg/Test

### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.  
Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthesised phosphopeptide: human OLIG2 around the phosphorylation site of Ser10+Ser13+Ser14  
Antigen Species: Human  
Gene ID: 10215  
Uniprot ID: Q13516

### Research Background

This gene encodes a basic helix-loop-helix transcription factor which is expressed in oligodendroglial tumors of the brain. The protein is an essential regulator of ventral neuroectodermal progenitor cell fate. The gene is involved in a chromosomal translocation t(14;21)(q11.2;q22) associated with T-cell acute lymphoblastic leukemia. Its chromosomal location is within a region of chromosome 21 which has been suggested to play a role in learning deficits associated with Down syndrome. [provided by RefSeq, Jul 2008]

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481