bs-11194R **[Primary Antibody]**

OLIG2 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 10215 **SWISS:** Q13516

Target: OLIG2

Immunogen: KLH conjugated synthetic peptide derived from human OLIG2: 81-180/323.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

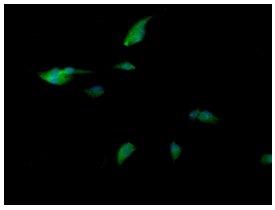
Applications: **ICC/IF** (1:100)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog)

Predicted MW.: 32 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



U87MG cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (OLIG2) polyclonal Antibody, Unconjugated (bs-11194R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

SELECTED CITATIONS

- **[IF=9.995]** Qian Fang. et al. YTHDF1 phase separation triggers the fate transition of spermatogonial stem cells by activating the IκB-NF-κB-CCND1 axis. CELL REP. 2023 Apr 14;42(4):112403 IF ;Mouse. 37060562
- **[IF=6.208]** Jia Wang. et al. FOXG1 Contributes Adult Hippocampal Neurogenesis in Mice. INT J MOL SCI. 2022 Jan;23(23):14979 IHC,IF ;Mouse. 36499306
- **[IF=6.208]** Guang-Sheng Li. et al. Neurovascular Unit Compensation from Adjacent Level May Contribute to Spontaneous Functional Recovery in Experimental Cervical Spondylotic Myelopathy. INT J MOL SCI. 2023 Jan;24(4):3408 IHC ;Rat. 36834841
- **[IF=3.097]** Aleksandra Steliga. et al. Transient cerebral ischemia induces the neuroglial proliferative activity and the

potential to redirect neuroglial differentiation. J CHEM NEUROANAT. 2023 Jan;127:102192 IHC ;Rat. 36403746

- **[IF=1.4]** Na Miao. et al. Overexpression of ZEB1 and YAP1 is related to poor prognosis in patients with gliomas with different IDH1 status. INT J CLIN EXP PATHO. 2023; 16(7): 138–149 IHC ;Human. 37559682