



OLIG2 Mouse Monoclonal Antibody

E10-30167

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. Tissue specificity: Expressed in the brain, in oligodendrocytes. Strongly expressed in oligodendrogliomas, while expression is weak to moderate in astrocytomas. Expression in glioblastomas highly variable.

Catalog Number: E10-30167

Amount: 100µg/100µl

Clone Number: 1G11

Species: Mouse IgG1

MW: 32kDa

Aliases: BHLHB1; OLIGO2; RACK17; PRKCBP2; bHLHe19; OLIG2

Entrez Gene: 10215

Immunogen: Purified recombinant fragment of human OLIG2 expressed in E. Coli.

Storage: Store at 4°C, for long term storage, store at -20°C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, IHC, IF, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, IHC: 1/200-1/1000, IF: 1/200-1/1000, ELISA: Propose dilution 1/10000.

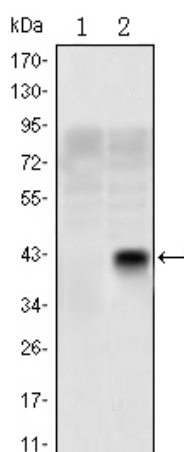


Figure 1: Western blot analysis using OLIG2 mAb against HEK293 (1) and OLIG2-hlgGfC transfected HEK293 (2) cell lysate.

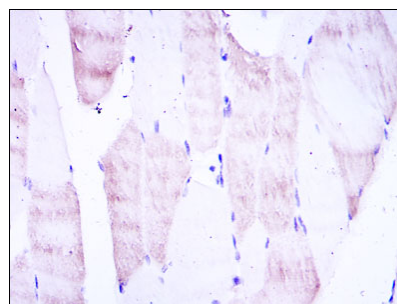
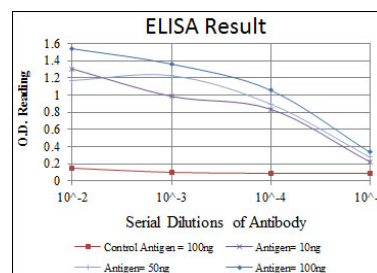


Figure 2: Immunohistochemical analysis of paraffin-embedded muscle tissues using OLIG2 mouse mAb with DAB staining.



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