

Mouse Monoclonal Antibody to OLIG2

Catalogue Number	sAP-0519
Target Molecule	Name: OLIG2 Aliases: BHLHB1; OLIGO2; RACK17; PRKCBP2; bHLHe19; OLIG2 MW: 32kDa Entrez Gene ID: 10215
Description	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 oligodendroglomas, while expression is weak to moderate in astrocytomas. Expression in glioblastomas highly variable.
Immunogen	Purified recombinant fragment of human OLIG2 expressed in E. Coli.
Reactive Species	Human
Clone	MM1G11;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Am J Med Genet B Neuropsychiatr Genet. 2008 Jun 5;147B(4):538-9. ; 2. Virchows Arch. 2007 May;450 (5):575-84.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**