

Product Name: OLIG2 Mouse Monoclonal Antibody**Catalog #: AMM80950**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC, ICC, ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000
Molecular Weight	32kDa

Antigen Information

Gene Name	OLIG2
Alternative Names	BHLHB1; OLIGO2; RACK17; PRKCBP2; bHLHe19; OLIG2
Gene ID	10215.0
SwissProt ID	Q13516
Immunogen	Purified recombinant fragment of human OLIG2 expressed in E. Coli.

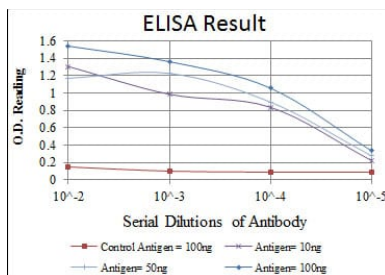
Background

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

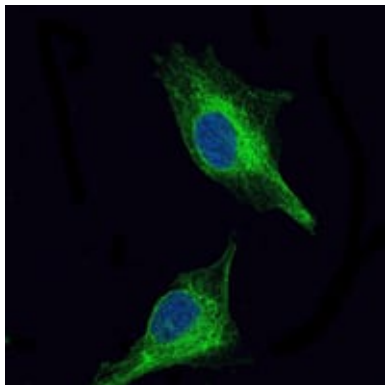
region of chromosome 21 which has been suggested to play a role in learning deficits associated with Down syndrome. Tissue specificity: Expressed in the brain, in oligodendrocytes. Strongly expressed in oligodendrogliomas, while expression is weak to moderate in astrocytomas. Expression in glioblastomas highly variable.

Research Area

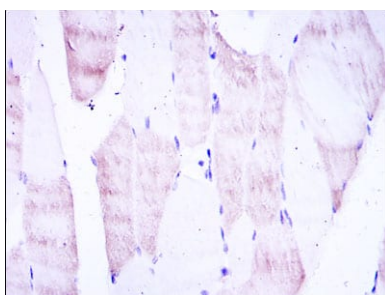
Image Data



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Immunofluorescence analysis of U251 cells using OLIG2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



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