

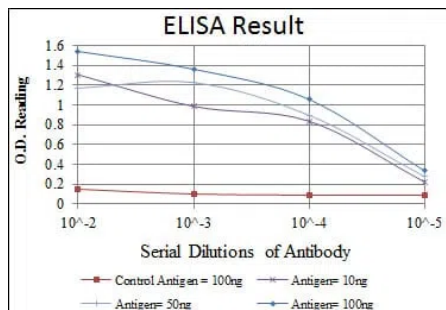


Product name:	OLIG2 Mouse Monoclonal Antibody
Cat number:	MABN80950
Conjugate:	Unconjugated
Size:	100ul
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG1
Immunogen:	Purified recombinant fragment of human OLIG2 expressed in E. Coli.
Reactivity:	Human
Applications:	IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight:	32kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide.
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Synonyms:	BHLHB1; OLIGO2; RACK17; PRKCBP2; bHLHe19; OLIG2
Source:	Mouse
Background:	<p>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.</p>

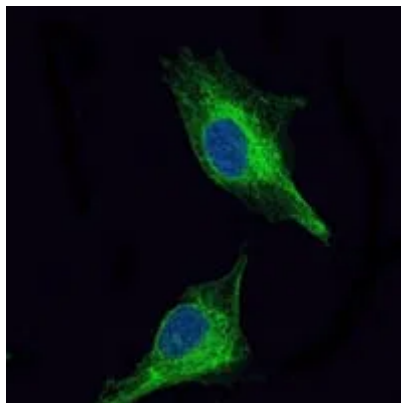
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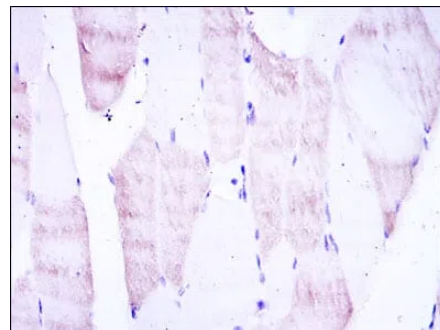
Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



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.

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