

## Product datasheet for **AM06579SU-N**

### **OLIG2 Mouse Monoclonal Antibody [Clone ID: 1G11]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	1G11
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Immunofluorescence:</b> 1/200 - 1/1000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human OLIG2 expressed in E. Coli.
Specificity:	Recognizes OLIG2
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	32 kDa
Gene Name:	oligodendrocyte lineage transcription factor 2
Database Link:	<a href="#">Entrez Gene 10215 Human Q13516</a>



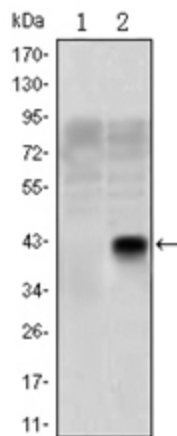
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**Background:**

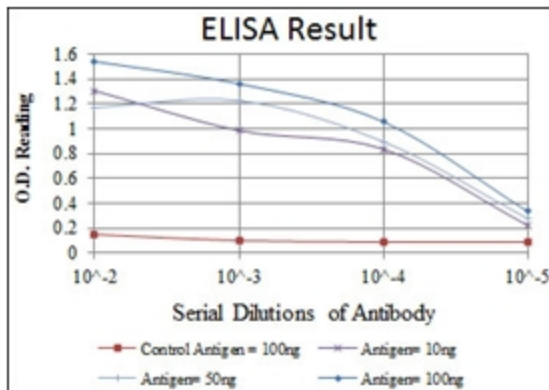
This gene encodes a basic helix-loop-helix transcription factor which is expressed in oligodendroglial tumors of the brain. The protein is an essential regulator of ventral neuroectodermal progenitor cell fate. The gene is involved in a chromosomal translocation t(14;21)(q11.2;q22) associated with T-cell 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.

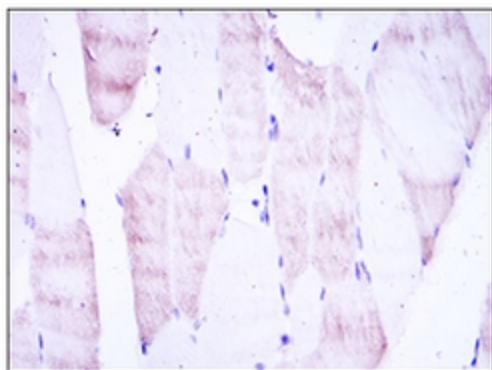
**Synonyms:**

OLIG2, BHLHB1, PRKCBP2, RACK17, Oligodendrocyte transcription factor 2, Oligo2, bHLHB1

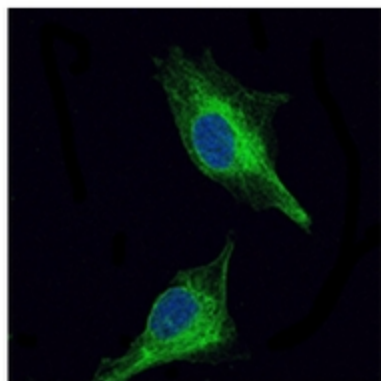
**Product images:**


Western blot analysis using OLIG2 antibody Cat.-No AM06579SU-N against HEK293 (1) and OLIG2 (AA: 1-122)-hlgGfc transfected HEK293 (2) cell lysate.





Immunohistochemical analysis of paraffin-embedded muscle tissues using OLIG2 antibody Cat.-No AM06579SU-N with DAB staining.



Immunofluorescence analysis of U251 cells using OLIG2 antibody Cat.-No AM06579SU-N (green). Blue: DRAQ5 fluorescent DNA dye.