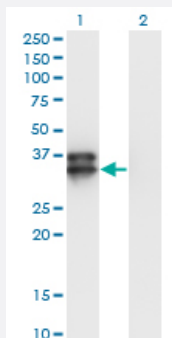


OLIG2 monoclonal antibody (M06), clone 2B11

Catalog # H00010215-M06

Size 100 ug

Applications

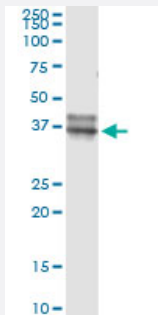


Western Blot (Transfected lysate)

Western Blot analysis of OLIG2 expression in transfected 293T cell line by OLIG2 monoclonal antibody (M06), clone 2B11.

Lane 1: OLIG2 transfected lysate (32.4 kDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of OLIG2 transfected lysate using anti-OLIG2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with OLIG2 MaxPab rabbit polyclonal antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant OLIG2.
Immunogen	OLIG2 (NP_005797, 2 a.a. ~ 78 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.
Sequence	DSDASLVSSRPSSPEPDDLFLPARSKGSSGSAFTGGTVSSSTPSDCPPELSAELRGAMGSAGA HPGDKLGGSGFKSS
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (95); Rat (95)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of OLIG2 expression in transfected 293T cell line by OLIG2 monoclonal antibody (M06), clone 2B11.

Lane 1: OLIG2 transfected lysate(32.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of OLIG2 transfected lysate using anti-OLIG2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with OLIG2 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- ELISA

Gene Info — OLIG2

Entrez GeneID	10215
GeneBank Accession#	NM_005806
Protein Accession#	NP_005797
Gene Name	OLIG2
Gene Alias	BHLHB1, OLIGO2, PRKCBP2, RACK17, bHLHe19
Gene Description	oligodendrocyte lineage transcription factor 2
Omim ID	606386

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000067569|OTTHUMP00000067570|basic domain, helix-loop-helix protein, class B, 1|human protein kinase C-binding protein RACK17|oligodendrocyte-specific bHLH transcription factor 2|protein kinase C binding protein 2

Disease

- [Alzheimer disease](#)
- [Genetic Predisposition to Disease](#)
- [Obsessive-Compulsive Disorder](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Tourette Syndrome](#)