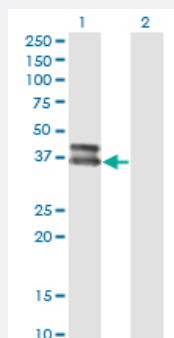


OLIG2 monoclonal antibody (M02), clone 3D7

Catalog # H00010215-M02

Size 100 ug

Applications

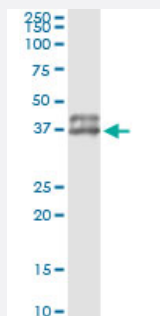


Western Blot (Transfected lysate)

Western Blot analysis of OLIG2 expression in transfected 293T cell line by OLIG2 monoclonal antibody (M02), clone 3D7.

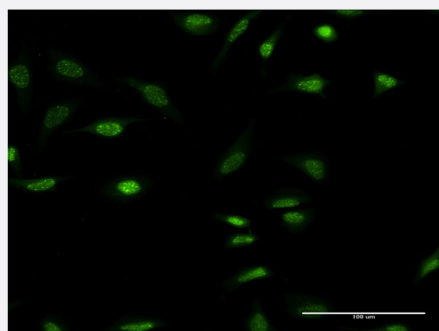
Lane 1: OLIG2 transfected lysate(32.4 KDa).

Lane 2: Non-transfected lysate.



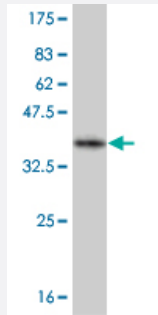
Immunoprecipitation

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



Immunofluorescence

Immunofluorescence of monoclonal antibody to OLIG2 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (34.47 KDa) .

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 HPGDKLGSGFKSS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.47 KDa) .
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 (M02), clone 3D7.

Lane 1: OLIG2 transfected lysate(32.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[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

- Immunofluorescence

Immunofluorescence of monoclonal antibody to OLIG2 on HeLa cell . [antibody concentration 10 ug/ml]

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](#)