

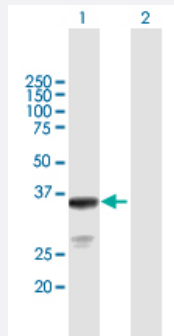
MaxPab®

# OLIG2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010215-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of OLIG2 expression in transfected 293T cell line ([H00010215-T01](#)) by OLIG2 MaxPab polyclonal antibody.

Lane 1: OLIG2 transfected lysate(35.53 KDa).

Lane 2: Non-transfected lysate.

## Specification

|                               |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Mouse polyclonal antibody raised against a full-length human OLIG2 protein.                                                                                                                                                                                                                                                                                                  |
| Immunogen                     | OLIG2 (AAH36245.1, 1 a.a. ~ 323 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                              |
| Sequence                      | <p>MDSDASLVSSRPSSPEPDDLFLPARSKGSSGSAFTGGTVSSSTPSCPPELSAELRGAMGSAG</p> <p>AHPVDKLGSGFKSSSSSTSSSTSSAAASSTKKDKKQMTPELQQLRLKINSRERKRMHDLNIA</p> <p>MDGLREVMPYAHGPSVRKLSKIATLLARNYILMLTNSLEEMKRLVSEYGGHHAGFHPSACGGLA</p> <p>HSAPLPAATAHPAAAAHAHHPAVHHPILPPAAAAAAAAAAAAAVSSASLPGSGLPSVGSIRPPH</p> <p>GLLKSPSAAAAAPLGSGGGGSGASGGFQHWGGMPCPCSMCQVPPPHHHVSAMGAGSLPRLT</p> <p>SDAK</p> |
| Host                          | Mouse                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity                    | Human                                                                                                                                                                                                                                                                                                                                                                        |
| Interspecies Antigen Sequence | Mouse (95); Rat (95)                                                                                                                                                                                                                                                                                                                                                         |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                      |
| 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 ([H00010215-T01](#)) by OLIG2 MaxPab polyclonal antibody.

Lane 1: OLIG2 transfected lysate(35.53 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

## Gene Info — OLIG2

Entrez GeneID [10215](#)

GeneBank Accession# [BC036245.1](#)

Protein Accession# [AAH36245.1](#)

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](#)