

## **Anti-Olig1 Antibody**

Our Anti-Olig1 primary antibody from PhosphoSolutions is rabbit polyclonal. It detects human, mouse,
Catalog # AN1500

# **Specification**

# **Anti-Olig1 Antibody - Product Information**

Application WB, IHC, IF
Primary Accession
Reactivity
Bovine
Host
Clonality
Isotype
Calculated MW
WB, IHC, IF
O9JKN5
Rovine
Rabbit
Polyclonal
IgG
27141

## **Anti-Olig1 Antibody - Additional Information**

Gene ID **50914** 

#### **Other Names**

Basic domain helix loop helix protein class B 6 antibody, Basic domain helix loop helix protein class B6 antibody, BHLH B6 antibody, BHLHB 6 antibody, bHLHb6 antibody, bHLHe21 antibody, Class B basic helix-loop-helix protein 6 antibody, Class E basic helix-loop-helix protein 21 antibody, Olig 1 antibody, Olig1 antibody, OLIG1\_HUMAN antibody, Olig0 1 antibody, Olig01 antibody, Oligodendrocyte lineage transcription factor 1 antibody, Oligodendrocyte specific bHLH transcription factor 1 antibody, Oligodendrocyte transcription factor 1 antibody

### Target/Specificity

Olig genes have been identified as the earliest known markers of oligodendrocyte lineage determination to date (Zhou et al., 2000). Olig1 is a transcription factor which promotes formation and maturation of oligodendrocytes, especially within the brain. It is expressed in the ventral spinal cord as early as 9.5 dpc and by 15.5 dpc, olig1 is dispersed throughout the gray matter. In the postnatal brain, it is present preferentially in the white matter, such as corpus callosum and cerebellar medulla. Olig1 has been demonstrated as necessary in the repair of brain lesions in patients with multiple sclerosis (Arnett et al. 2004).

#### **Dilution**

WB~~1:1000 IHC~~1:100~500 IF~~1:50~200

## **Format**

Protein A purified

### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

Anti-Olig1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.



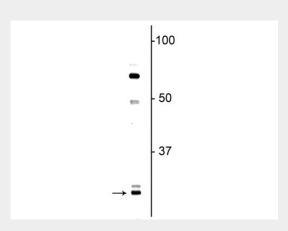
**Shipping** Blue Ice

# **Anti-Olig1 Antibody - Protocols**

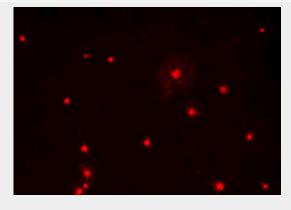
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# Anti-Olig1 Antibody - Images



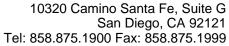
Western blot of neonatal rat brain lysate showing specific immunolabeling of the  $\sim 27~\text{kDa Olig1}$  protein.

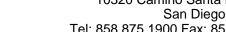


Immunostaining of primary rat oligodendrocytes using anti-Olig1 (cat. 1537-OLIG1, red, 1:100).

# **Anti-Olig1 Antibody - Background**

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