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# Mouse Olig1 Antibody (Center)
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP21009a**

## Specification

### Mouse Olig1 Antibody (Center) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | Q9JKN5 |
| Other Accession | Q9WUQ3 |
| Reactivity | **Mouse** |
| Predicted | **Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **27141** |

### Mouse Olig1 Antibody (Center) - Additional Information

**Gene ID** 50914

**Other Names**
Oligodendrocyte transcription factor 1, Oligo1, Oligodendrocyte-specific bHLH transcription factor 1, Olig1

**Target/Specificity**
This Mouse Olig1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 161-194 amino acids from the Central region of mouse Olig1.

**Dilution**
WB~~1:1000

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

**Precautions**
Mouse Olig1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### Mouse Olig1 Antibody (Center) - Protein Information

**Name** Olig1

**Function** Promotes formation and maturation of oligodendrocytes, especially within the brain.

Cooperates with OLIG2 to establish the pMN domain of the embryonic neural tube.

**Cellular Location**
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981}.

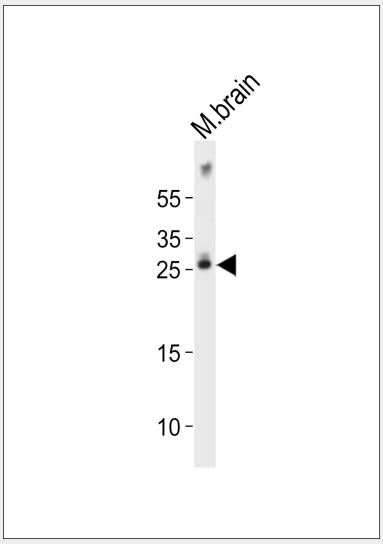
**Tissue Location**
Expressed specifically in brain.

## Mouse Olig1 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Mouse Olig1 Antibody (Center) - Images




Western blot analysis of lysate from mouse brain tissue lysate, using Olig1 Antibody (Center)(Cat. #AP21009a). AP21009a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

## Mouse Olig1 Antibody (Center) - Background

Promotes formation and maturation of oligodendrocytes, especially within the brain. Cooperates with OLIG2 to establish the pMN domain of the embryonic neural tube.

## Mouse Olig1 Antibody (Center) - References

Takebayashi H.,et al.Mech. Dev. 99:143-148(2000).
Zhou Q.,et al.Neuron 25:331-343(2000).
Lu Q.R.,et al.Neuron 25:317-329(2000).

Lu Q.R.,et al.Cell 109:75-86(2002).