

**Product Name: Olig2 (7A1) Mouse Monoclonal Antibody****Catalog #: AMM03505**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000
<b>Molecular Weight</b>	Calculated MW: 32 kDa; Observed MW: 32 kDa

**Antigen Information**

<b>Gene Name</b>	OLIG2
<b>Alternative Names</b>	Basic domain helix loop helix protein class B 1; Basic helix loop helix protein class B 1; BHLHB1; bHLHB1; bHLHe19; Class B basic helix loop helix protein 1; Class B basic helix-loop-helix protein 1; class E basic helix loop helix protein 19
<b>Gene ID</b>	10215
<b>SwissProt ID</b>	Q13516
<b>Immunogen</b>	A synthetic peptide of human Olig2

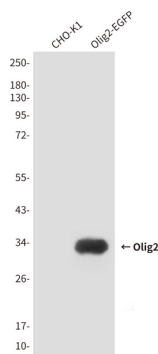
**Background**

Olig2 is required for oligodendrocyte and motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain. Cooperates with OLIG1 to establish the pMN domain of the embryonic neural tube. Antagonist of V2 interneuron and of NKX2-2-induced V3 interneuron development.

## Research Area

Neuroscience

## Image Data



Western blot analysis of OLIG2 in CHO-K1 lysates and CHO-K1 transfected by EGFPOLIG2 fragment lysates using OLIG2 antibody.