

Product Name: Olig2 (15Z2) Rabbit Monoclonal Antibody
Catalog #: AMRe15345

Summary

Production Name	Olig2 (15Z2) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-P,ICC/IF,IF-P
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -15098°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	OLIG2
Alternative Names	Oligo2; bHLHb1; Class E basic helix-loop-helix protein 19; bHLHe19; OLIG2; BHLHB1; BHLHE19; PRKC;
Gene ID	10215.0
SwissProt ID	Q13516.

Application

Dilution Ratio	WB 1:1000, IHC-P/IF-P 1:100, ICC/IF 1:50-1:200
Molecular Weight	32kDa

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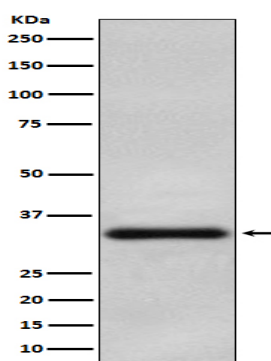


Background

Expressed in the brain, in oligodendrocytes. Strongly expressed in oligodendrogliomas, while expression is weak to moderate in astrocytomas. Expression in glioblastomas highly variable. Required for oligodendrocyte and motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain. Functions together with ZNF488 to promote oligodendrocyte differentiation. 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

Image Data



Western blot analysis of Olig2 in Human oligodendroglioma lysate.

Note

For research use only.