

OLIG1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18841b**Specification**

OLIG1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q8TAK6
Other Accession	NP_620450.1
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	27905
Antigen Region	200-228

OLIG1 Antibody (C-term) - Additional Information**Gene ID** 116448**Other Names**

Oligodendrocyte transcription factor 1, Oligo1, Class B basic helix-loop-helix protein 6, bHLHb6, Class E basic helix-loop-helix protein 21, bHLHe21, OLIG1, BHLHB6, BHLHE21

Target/Specificity

This OLIG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 200-228 amino acids from the C-terminal region of human OLIG1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

OLIG1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OLIG1 Antibody (C-term) - Protein Information**Name** OLIG1

Synonyms BHLHB6, BHLHE21

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

Cellular Location

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

Tissue Location

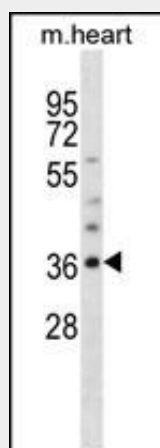
Expressed in the brain, in oligodendrocytes. Strongly expressed in oligodendrogliomas, while expression is weak to moderate in astrocytomas. Expression in glioblastomas is highly variable.

OLIG1 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

OLIG1 Antibody (C-term) - Images



OLIG1 Antibody (C-term)(Cat. #AP18841b) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the OLIG1 antibody detected the OLIG1 protein (arrow).

OLIG1 Antibody (C-term) - Background

OLIG1 promotes formation and maturation of oligodendrocytes, especially within the brain. Cooperates with OLIG2 to establish the pMN domain of the embryonic neural tube (By similarity).

OLIG1 Antibody (C-term) - References

Takei, H., et al. J. Neurooncol. 86(2):183-190(2008)
Ruf, N., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 144B (3), 365-366 (2007) :
Brena, R.M., et al. PLoS Med. 4 (3), E108 (2007) :

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Goris, A., et al. J. Neurol. Neurosurg. Psychiatr. 77(11):1296-1297(2006)