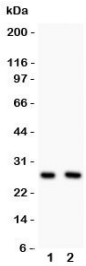
Olig1 Antibody (R31337)

Catalog No.	Formulation	Size
R31337	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q8TAK6
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Olig1 antibody is available for research use only.



Western blot testing of Olig1 antibody and Lane 1: U87; 2: HeLa lysate

Description

Oligodendrocyte transcription factor 1, also known as class B basic helix-loop-helix protein 6 (BHLHB6) is a protein that in humans is encoded by the OLIG1 gene. This gene is mapped to 21q22.11. This gene is a member of the oligodendrocyte lineage gene family which encodes basic helix-loop-helix transcription factors. Studies in mice show that Olig1 is coexpressed with Olig2 in neural progenitors, and has a role in the development and maturation of oligodendrocytes. Olig1 gene promotes formation and maturation of oligodendrocytes, especially within the brain. It cooperates with Olig2 to establish the pMN domain of the embryonic neural tube.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Olig1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human Oligodendrocyte transcription factor 1 (ARPDAKEEQQQQLRRK) was used as the immunogen for this Olig1 antibody.

Storage

After reconstitution, the Olig1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.