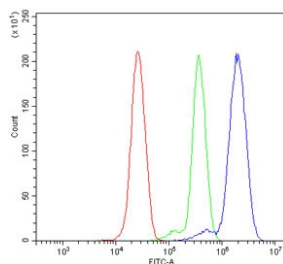


Olig1 Antibody (RQ6204)

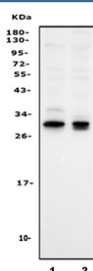
Catalog No.	Formulation	Size
RQ6204	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8TAK6
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Olig1 antibody is available for research use only.



Flow cytometry testing of human ThP-1 cells with Olig1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Olig1 antibody.



Western blot testing of 1) rat brain and 2) mouse brain lysate with Olig1 antibody. Predicted molecular weight ~28 kDa.

Description

Oligodendrocyte transcription factor 1 (OLIG1), 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 it 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

Optimal dilution of the Olig1 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids M1-K271) was used as the immunogen for the 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.