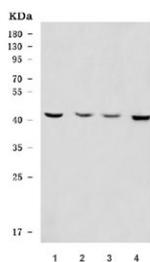


OLIG2 Antibody (RQ7195)

Catalog No.	Formulation	Size
RQ7195	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
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13516
Applications	Western Blot : 0.5-1ug/ml
Limitations	This OLIG2 antibody is available for research use only.



Western blot testing of 1) human ThP-1, 2) rat brain, 3) mouse brain and 4) mouse Neuro-2a cell lysate with OLIG2 antibody. Expected molecular weight: 32-38 kDa.

Description

Oligodendrocyte transcription factor (OLIG2) is a basic helix-loop-helix (bHLH) transcription factor encoded by the *Olig2* gene. This gene encodes a basic helix-loop-helix transcription factor which is expressed in oligodendroglial tumors of the brain. The protein is an essential regulator of ventral neuroectodermal progenitor cell fate. The gene is involved in a chromosomal translocation t(14;21)(q11.2;q22) associated with T-cell acute lymphoblastic leukemia. Its chromosomal location is within a region of chromosome 21 which has been suggested to play a role in learning deficits associated with Down syndrome

Application Notes

Optimal dilution of the OLIG2 antibody should be determined by the researcher.

Immunogen

Amino acids HHHVSAMGAGSLPRLTSDAK were used as the immunogen for the OLIG2 antibody.

Storage

After reconstitution, the OLIG2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.