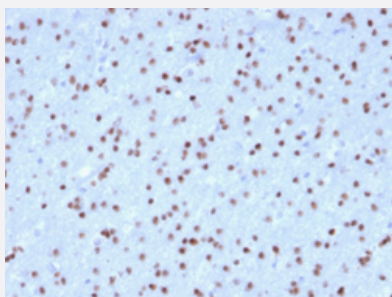


OLIG2 monoclonal antibody, clone OLIG2/2400

Catalog # MAB21134

Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebellum with OLIG2 monoclonal antibody, clone OLIG2/2400 (Cat # MAB21134).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human OLIG2.
Immunogen	Recombinant protein corresponding to amino acids 1-141 of human OLIG2.
Host	Mouse
Theoretical MW (kDa)	30-40
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebellum with OLIG2 monoclonal antibody, clone OLIG2/2400 (Cat # MAB21134).

Gene Info — OLIG2

Entrez GeneID [10215](#)

Protein Accession# [Q13516](#)

Gene Name OLIG2

Gene Alias BHLHB1, OLIGO2, PRKCBP2, RACK17, bHLHe19

Gene Description oligodendrocyte lineage transcription factor 2

Omim ID [606386](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000067569|OTTHUMP00000067570|basic domain, helix-loop-helix protein, class B, 1|human protein kinase C-binding protein RACK17|oligodendrocyte-specific bHLH transcription factor 2|protein kinase C binding protein 2

Disease

- [Alzheimer disease](#)
- [Genetic Predisposition to Disease](#)
- [Obsessive-Compulsive Disorder](#)
- [Psychotic Disorders](#)

- [Schizophrenia](#)
- [Tourette Syndrome](#)