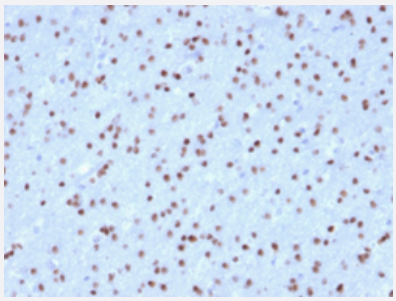
OLIG2 monoclonal antibody, clone OLIG2/2400

Catalog # MAB21133 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 # MAB21133).

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 (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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 # MAB21133).

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 oligodendro glial tumors of the brain. The protein is an essential regulator of ventral neuroectodermal progenit or 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 chromoso me 21 which has been suggested to play a role in learning deficits associated with Down syndro me. [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 transcriptio n factor 2|protein kinase C binding protein 2

Disease

- Alzheimer disease
- Genetic Predisposition to Disease
- Obsessive-Compulsive Disorder

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- Psychotic Disorders
- Schizophrenia
- Tourette Syndrome

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