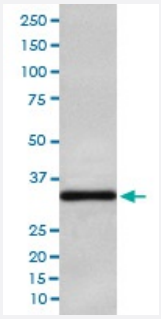
OLIG2 monoclonal antibody, clone ADC-15

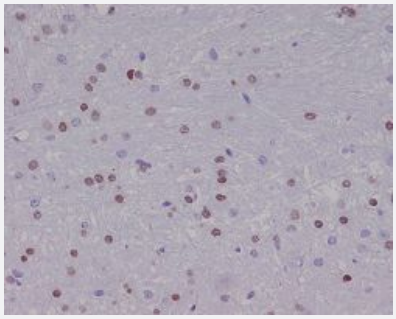
Catalog # MAB20260 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of human oligodendroglioma lysate with OLIG2 monoclonal antibody.



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

Immunohistochemical staining of paraffin-embedded human brain with OLIG2 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human OLIG2.
Immunogen	A synthetic peptide corresponding to human OLIG2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of human oligodendroglioma lysate with OLIG2 monoclonal antibody.

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

  Immunohistochemical staining of paraffin-embedded human brain with OLIG2 monoclonal antibody.

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
- Psychotic Disorders
- Schizophrenia
- Tourette Syndrome