

Tested Species Reactivity	
Human (Hs)	
Mouse (Mm)	
Rats (Rattus)	

Tested Applications	Dilution *
Immunohistochemistry (IHC)	Assay Dependent
Immunoprecipitation (IP)	Assay Dependent
Western Blot (WB)	Assay Dependent

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number	P21954
Size	100µL
Class	Polyclonal
Type	Antibody
Host/Isotope	[Oc] Rabbit / IgG
Immunogen	Recombinant mouse Olig2.

Form information	
Form	Liquid
Purification	purified
Storage buffer	0.2M tris, pH 8, with 0.1M glycine
Preservative	no preservative
Storage Conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

Gene/target

The most common primary tumors of the human brain are thought to be of glial cell origin. However, glial cell neoplasms cannot be fully classified by cellular morphology or with conventional markers for astrocytes, oligodendrocytes, or their progenitors. Studies of central nervous system tumorigenesis suggests that novel molecular markers might be found among factors that have roles in glial development. Oligodendrocyte lineage genes (Olig 1 and 2) encode basic helix–loop–helix transcription factors. Human Olig genes are expressed strongly in oligodendroglioma, contrasting absent or low expression in astrocytoma. Therefore, there is diagnostic potential of Olig markers to augment identification of oligodendroglial tumors.

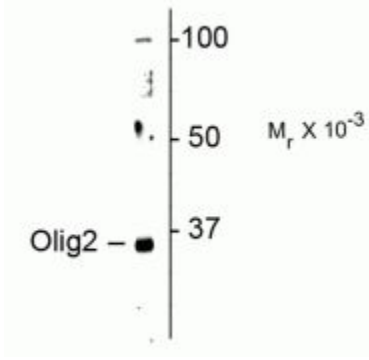
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Olig2 Antibody (P21954) in WB

Western blot of neonatal rat brain lysate showing specific immunolabeling of the ~32 kDa Olig2 protein.



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