

Olig2

Olig2 Antibody

Code No.	Name	Volume	*W/B	*IHC
18953	Anti-Human Olig2 Rabbit IgG Affinity Purify	100ug	○ 2 ug/mL	○ (* F/P, MW) 0.1- 1 ug/mL

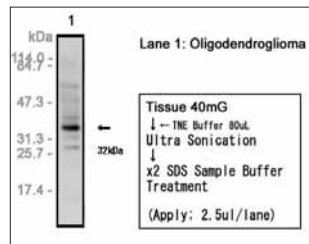
*IHC: immunohistochemistry, *WB: Western Blotting

*F/P, MW: Can be stained for formalin fixed paraffin embedded tissues after pronase or trypsin pre-treatment,

Oligodendrocytes are defined as the cells that exist in tissue stroma of central nervous system and play a important role in maintaining function of neuron cell by making myelin wrapping around a nerve cell axon. And further, oligodendrocytes are considered as target of some disease such as autoimmune disease and brain cancer. However, there are some problems such that the antibody to oligodendrocytes using in immunostaining has low stability and hardly react oligodendrogloma as tumor of oligodendrocytes. Olig2 is a transcription factor that controls development and differentiation of oligodendrocytes (ref. 1-3). It is reported that human Olig2 is specifically expressed in both oligodendrocytes and oligodendrogloma (ref. 4-6). This antibody recognizes with human Olig2.

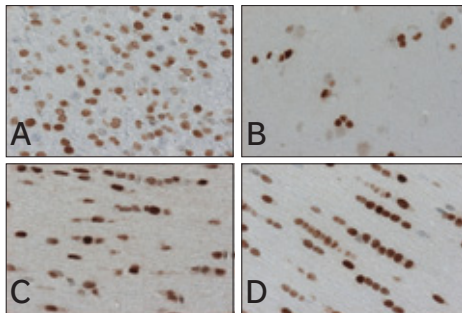
Character of Antibody

- ◆ This antibody can be used for immunohistochemistry and Western Blotting
- ◆ This polyclonal antibody crossreacts with Rat and Mouse and is suitable for immunohistochemistry.



Western Blotting

Tissue	oligodendrogloma
Primary Conc.	2 μ g/ml
System	ECL method (GE Healthcare)



Immunohistochemistry

Tissue A	Human oligodendrogloma
Tissue B	Human brain cortex
Tissue C	Mouse cerebral white matter
Tissue D	Rat cerebral white matter (All tissues are fixed with 10% Formalin for several days)
Pretreatment	Autoclave (120°C, 10 min, 10mM Citrate Buffer, pH 6.0)
Primary Conc.	1 μ g/mL
System	ABC method (Histofine, Nichirei) ※) This image was provided through the courtesy of Hideaki Yokoo; MD, Department of Pathology, Gunma University Graduate School of Medicine.

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