Code No. 18953

**Anti-Human**
**Olig2 Rabbit IgG Affinity purify**

**Volume**: 100 μg  
**Lot No**: 0A-520

**Introduction**: Oligodendrocytes are defined as the cells that exist in tissue stroma of central nervous system and play an 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 autoimmunedisease and brain cancer. However, there are some problems such that the antibody to oligodendrocytes using in immunostaining has low stability and hardly react oligodendroglioma 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 oligodendroglioma (ref. 4-6). This antibody recognizes with human Olig2

**Antigen**: Synthetic peptide in portion of C-terminus of Human Olig2

**Purification**: Purified with antigen peptide

**Form**: Lyophilized product from 1% BSA in PBS containing 0.05% NaN₃

**How to use**: 1.0 ml distilled water will be added to the product, then its concentration comes to 100 μg/ml

**Dilution**: PBS (pH7.4) containing 1% BSA

**Stability**: Lyophilized product, 5 years at 2 – 8 °C  
Solution, 2 years at –20 °C

**Application**: This antibody can be stained in formalin fixed paraffin embedded tissues after microwave pretreatment (10 min, 10mM Citrate Buffer, pH 6.0) by several Immunohistochemical techniques such as Avidin Bition Complex (ABC) method. The optimal dilution is about 0.1~1 μg/ml, however, the dilution rate should be optimized by each laboratories.  
This antibody can be used for western blotting in concentration of about 2 μg/ml.

**Specificity**: Cross-reacts with Mouse and Rat

**References**:  


