

Olig2 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50189

Clone# BP6167

Predicted Molecular Wt: 32kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: Q13516

Background:

Olig2, a basic helix–loop–helix transcription factor, is involved in oligodendroglial specification. Olig2 expression has been reported in most glial tumors, such as oligodendrogliomas and astrocytomas. Although more than half of glioblastomas are positive for Olig2, expression is very weak in terms of both percentage of labeled cells and intensity. No Olig2 expression has been found in the non-glial tumors including neuroepithelial tumors, ependymomas, subependymomas, medulloblastomas, and nonneuroepithelial tumors, such as CNS lymphomas, meningiomas, schwannomas, atypical teratoid/rhabdoid tumor, and haemangioblastomas. Compared to the strong staining seen in glioma samples, a weak expression is observed in non-tumoral brain tissue.

Subcellular location:

Nucleus

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to residues in Human Olig2 was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-25°C to -18°C

Storage instructions:

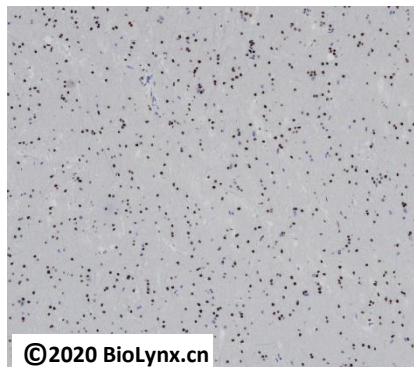
Shipped on blue ice. Upon delivery, aliquot, and store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Shou JW et al. Front Cell Neurosci 13:395 (2019).
2. Cho KHT et al. Sci Rep 10:6904 (2020).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human brain tissue labelling Olig2 with BP6167. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.