

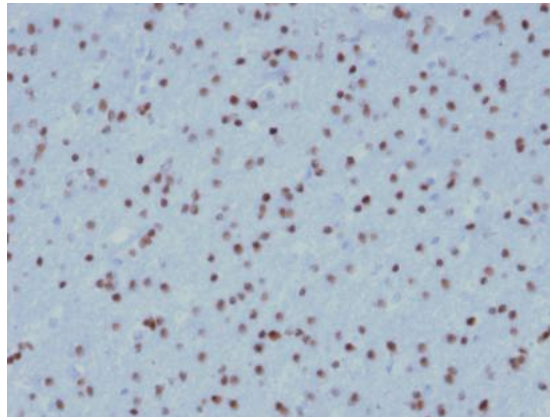
## Olig2 (Clone ZM72) Mouse Monoclonal Antibody

- Specificity:** Human. Others-not tested
- Immunogen:** Recombinant human OLIG2 protein fragment (around aa 1-141)
- Ig Class:** IgG1/κ
- Storage:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200; *Positive Control:* Astrocytoma. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

**Description:** 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 (gliosis).

**Supplied As:** Purified antibody fraction from rabbit anti-serum with 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human brain stained with anti-Olig2 antibody using peroxidase-conjugate and DAB chromogen. Note the nuclear staining of oligodendroglial cells

Cat. #Z2382 (1.0 ml)