Recombinant OLIG2 (Marker of Glial Brain Tumors) Antibody

Mouse Monoclonal Antibody [Clone rOLIG2/8884]

Catalog No	Format	Size
10215-MSM8-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
10215-MSM8-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
10215-MSM8-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

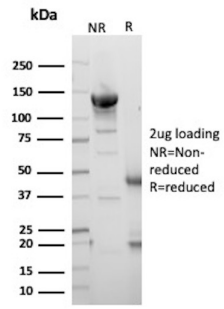
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

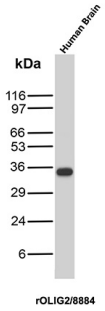
Clone	rOLIG2/8884
Immunogen	Recombinant fragment (around aa255-267) of the human OLIG-2 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	32.38kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	THP-1 cells. Human brain or astrocytoma.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant OLIG2 (Marker of Glial Brain Tumors) Antibody



SDS-PAGE Analysis of Purified Oligodendrocyte transcription factor 2 Mouse Monoclonal Antibody (rOLIG2/8884). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Brain tissue lysate using OLIG2 Recombinant Mouse Monoclonal Antibody (rOLIG2/8884).

Specificity & Comments

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 neuro-epithelial tumors, ependymomas, sub-ependymomas, medulloblastomas, and non-neuroepithelial 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

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.