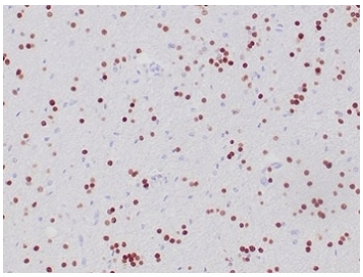
Recombinant OLIG2 Antibody [clone OLIG2/6695R] (V9366)

Catalog No.	Formulation	Size
V9366-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9366-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9366SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

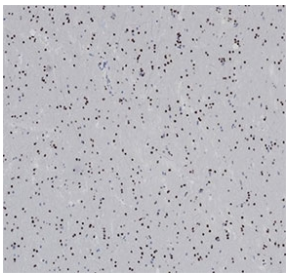
Recombinant RABBIT MONOCLONAL

Bulk quote request

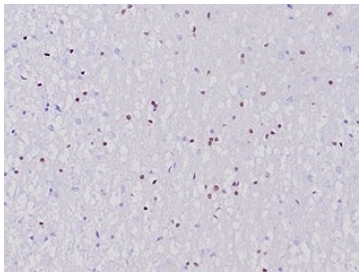
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	OLIG2/6695R
Purity	Protein A/G affinity
UniProt	Q13516
Localization	Nucleus, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant OLIG2 antibody is available for research use only.



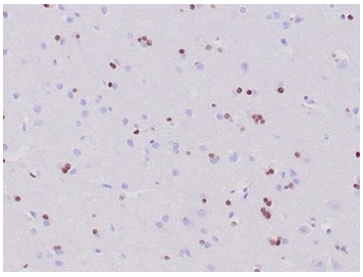
IHC staining of FFPE human oligodendroglioma tissue with recombinant OLIG2 antibody (clone OLIG2/6695R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



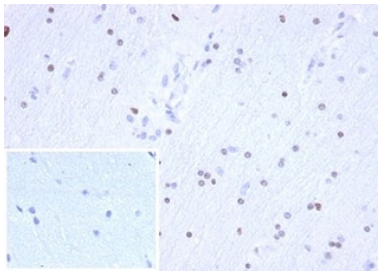
IHC staining of FFPE human glioma tissue with recombinant OLIG2 antibody (clone OLIG2/6695R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human cerebellum tissue with recombinant OLIG2 antibody (clone OLIG2/6695R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human cerebrum tissue with recombinant OLIG2 antibody (clone OLIG2/6695R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human brain tissue with recombinant OLIG2 antibody (clone OLIG2/6695R) at 2ug/ml in PBS for 30min RT. Negative control inset: PBS instead of primary antibody to control for secondary Ab binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Olig2, a basic helix loop helix transcription factor, is involved in oligo-dendroglial 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, 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.

Application Notes

Optimal dilution of the recombinant OLIG2 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 200-300 was used as the immunogen for the recombinant OLIG2 antibody.

Storage

Aliquot the recombinant OLIG2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.