Datasheet for ABIN7126103

Recombinant anti-OLIG2 antibody (AA 200-300)

5 Images

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Overview

Quantity:	20 µg
Target:	OLIG2
Binding Specificity:	AA 200-300
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This OLIG2 antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa200-300) of human OLIG2 protein (exact sequence is proprietary)
Isotype:	IgG
Specificity:	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.

Product Details

	Compared to the strong staining seen in glioma samples, a weak expression is observed in non-tumoral brain tissue.
Cross-Reactivity (Details):	Human.
Purification:	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G.

Target Details

Target:	OLIG2
Alternative Name:	OLIG2 (OLIG2 Products)
Background:	Basic helix loop helix protein class B1 (bHLHB1), basic helix-loop-helix protein 19 (bHLHe19), OLIG2, Oligodendrocyte lineage transcription factor 2, Oligodendrocyte specific bHLH transcription factor 2, Oligodendrocyte transcription factor 2, Protein kinase C-binding protein 2 (PRKCBP2), RACK17,OLIG2 (Marker of Glial Brain Tumors) Cellular localisation: Nucleus. Cytoplasm.
Molecular Weight:	32kDa
Gene ID:	10215, 176977
UniProt:	Q13516

Application Details

Application Notes:	Positive Control: THP-1 cells. Human brain or astrocytoma. Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

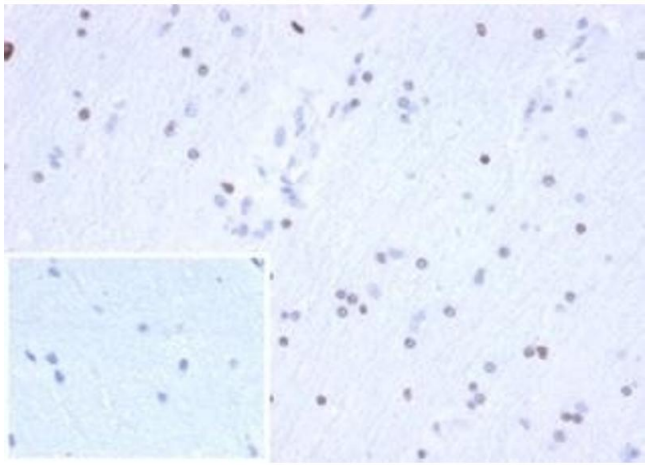
Handling

Concentration:	200 µg/mL
Buffer:	Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

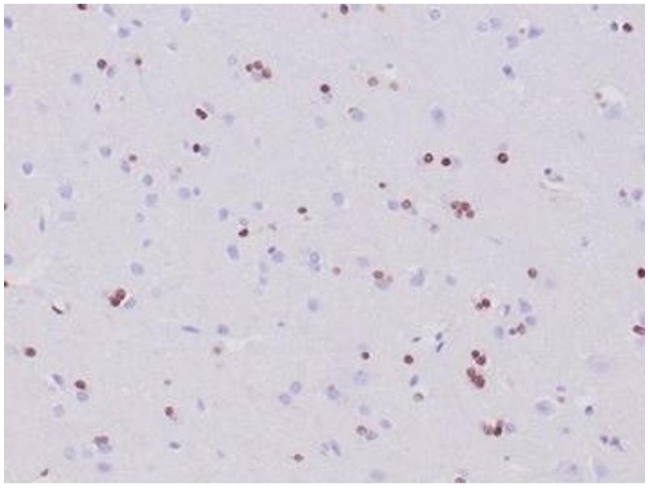
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.
Expiry Date:	24 months

Images



Immunohistochemistry

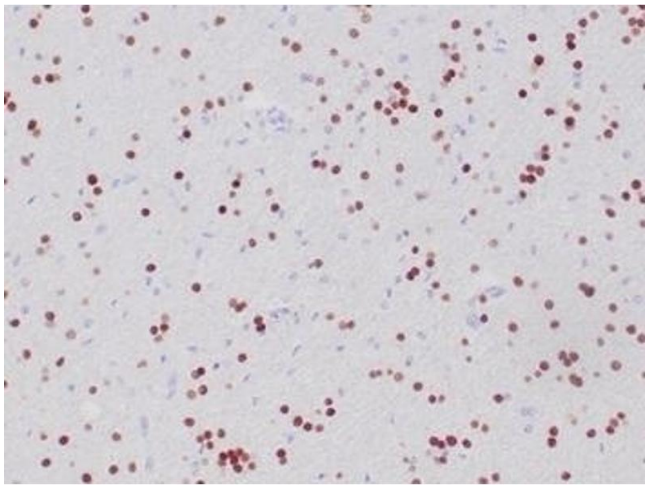
Image 1. IHC analysis of formalin-fixed, paraffin-embedded human brain. Stained with OLIG2/6695R at 2 µg/mL in PBS for 30 min RT. Inset: PBS instead of primary, secondary antibody negative control.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human cerebrum stained with OLIG2 Recombinant Rabbit Monoclonal Antibody (OLIG2/6695R).

Images



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human oligodendroglioma stained with OLIG2 Recombinant Rabbit Monoclonal Antibody (OLIG2/6695R).

Please check the product details page for more images. Overall 5 images are available for ABIN7126103.