Rabbit anti-Human OLIG2 Monoclonal Antibody | anti-OLIG2 antibody

OLIG2 (Marker of Glial Brain Tumors) Recombinant Rabbit Monoclonal Antibody [Clone OLIG2/7074R]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215511	**Rabbit**	**Human**	**Immunohistochemistry**

PRODUCT SYNONYMS

OLIG2; Monoclonal Antibody; OLIG2 (Marker of Glial Brain Tumors) Recombinant Rabbit Monoclonal Antibody [Clone OLIG2/7074R]; OLIG2 (Marker of Glial Brain Tumors); Basic helix loop helix protein class B1 (bHLHB1); basic helix-loop-helix protein 19 (bHLHe19); Oligodendrocyte lineage transcription factor 2; Oligodendrocyte specific bHLH transcription factor 2; Oligodendrocyte transcription factor 2; Protein kinase C-binding protein 2 (PRKCBP2); RACK17; anti-OLIG2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/IgG, kappa
Clone Number	OLIG2/7074R
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-OLIG2 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant fragment (around aa200-300) of human OLIG2 protein (exact sequence is proprietary)
Cellular Localization	Nucleus, Cytoplasm
Positive Control	THP-1 cells. Human brain or astrocytoma.
Hu-chromosome Location	21q22.11
Unigene	176977
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

SDS-PAGE
SDS-PAGE Analysis Purified OLIG2 Recombinant Rabbit Monoclonal Antibody (OLIG2/7074R). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-OLIG2 antibody	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17978475
NCBI GeneID	10215
NCBI Accession #	NP_005797
NCBI GenBank Nucleotide #	NM_005806.3
UniProt Accession #	Q13516; Q05BP9; Q49AL3; Q86X04; Q9NZ14; B3KRF3
Molecular Weight	Predicted: 36 kDa Observed: 37 kDa
NCBI Official Full Name	oligodendrocyte transcription factor 2
NCBI Official Synonym Full Names	oligodendrocyte lineage transcription factor 2
NCBI Official Symbol	OLIG2
NCBI Official Synonym Symbols	BHLHB1; OLIGO2; RACK17; PRKCBP2; bHLHe19
NCBI Protein Information	oligodendrocyte transcription factor 2; protein kinase C-binding protein 2; class B basic helix-loop-helix protein 1; class E basic helix-loop-helix protein 19; human protein kinase C-binding protein RACK17; basic domain, helix-loop-helix protein, class B
UniProt Protein Name	Oligodendrocyte transcription factor 2
UniProt Gene Name	**OLIG2**
UniProt Synonym Gene Names	BHLHB1; BHLHE19; PRKCBP2; RACK17; Oligo2; bHLHb1; bHLHe19
UniProt Entry Name	OLIG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/olig2-antibody-clone-olig2-7074r-immunohistochemistry-elisa/215511