

Rabbit anti-Human Olig2 Polyclonal Antibody | anti-OLIG2 antibody

Anti-Olig2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254147	Rabbit	Human	Immunohistochemistry, Western Blot

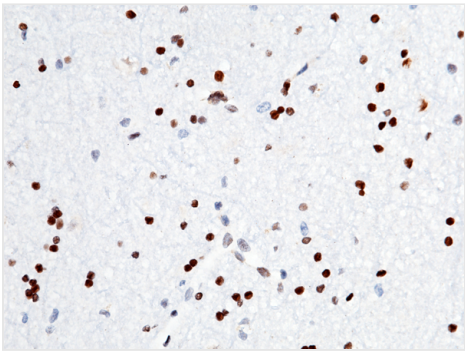
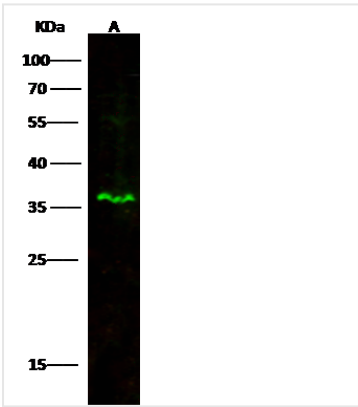
PRODUCT SYNONYMS

Olig2; Polyclonal Antibody; Anti-Olig2 Antibody; Rabbit Polyclonal; Olig-2/Oligo2 Antibody; Rabbit PAb; Antigen Affinity Purified; oligodendrocyte transcription factor 2; Anti-BHLHB1 Antibody; Anti-bHLHe19 Antibody; Anti-OLIGO2 Antibody; Anti-PRKCBP2 Antibody; Anti-RACK17 Antibody; anti-OLIG2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Olig-2/Oligo2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-OLIG2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human Olig-2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, a synthetic peptide corresponding to the N-terminus of the Human Olig-2/Oligo2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human olig-2 in human brain with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

WB (Western Blot)
Anti-OLIG2 rabbit polyclonal antibody at 1:500 dilution Lane A: Jurkat Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 32 kDa Observed band size: 36 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-OLIG2 antibody	Olig2, also known as Oligo2, is a basic helix-loop-helix transcription factor that is expressed in oligodendroglial tumors of the brain. Oligo2 is structurally similar to OLIG1. Both of them have non-overlapping developmental functions in patterning, neuron subtype specification, and the formation of oligodendrocytes. Olig2 is required for oligodendrocyte and motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain. Its over-expression inhibits neural progenitor proliferation through changes in potassium channel activity, thereby contributing to the reduced neuronal numbers and brain size in down syndrome. Olig2 may be a cause of a form of T-cell acute lymphoblastic leukemia.
References	Wang J, et al., 2000, Proc Natl Acad Sci. 97(7): 3497-502. Lu QR, et al., 2001, Proc Natl Acad Sci. 98(19): 10851-6. Marie Y, et al., 2001, Lancet. 358(9278): 298-300.

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/polyclonal/olig2-antibody-immunohistochemistry-western-blot-elisa/254147>