

Rabbit OLIG2 Polyclonal Antibody | anti-OLIG2 antibody

OLIG2 antibody - N-terminal region

CATALOG # AAA197178	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry
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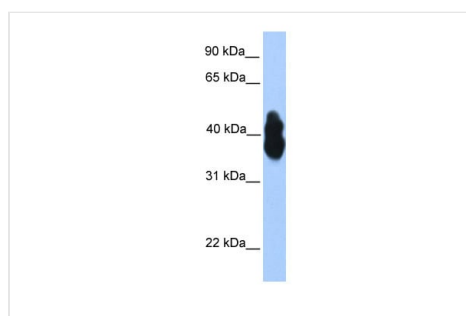
PRODUCT SYNONYMS

OLIG2; Polyclonal Antibody; OLIG2 antibody - N-terminal region; anti-OLIG2 antibody

PRODUCT SPECIFICATIONS

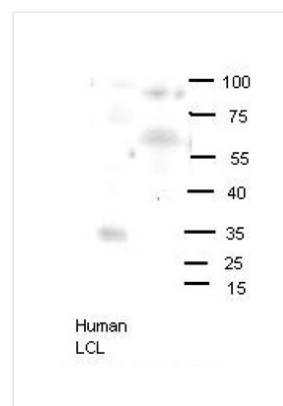
Host	Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MD SDASLVSSRP SSPEPDDLFL PARSKGSSGS AFTGGTVSSS TPSPDCPPE
Sequence Length	323
Applicable Applications for anti-OLIG2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Predicted Species Reactivity	Dog, Guinea Pig, Horse, Human, Mouse, Rat, Zebrafish
Homology	Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rat: 100%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human OLIG2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-OLIG2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive

Control: Transfected 293T


WB (Western Blot)

OLIG2 antibody - N-terminal region validated by WB using human LCL and mouse brains at 1:1000.



IHC (Immunohistochemistry)
Sample Type: Human Optic Nerve and Spinal Cord
Cellular Target: Oligodendrocyte Lineage
CellsDilution: 1:500

ADDITIONAL INFORMATION

Related Product Information for anti-OLIG2 antibody	This is a rabbit polyclonal antibody against OLIG2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: OLIG2 is a basic helix-loop-helix transcription factor which is expressed in oligodendroglial tumors of the brain. OLIG2 is an essential regulator of ventral neuroectodermal progenitor cell fate. It is associated with T-cell acute lymphoblastic leukemia due to a chromosomal translocation t(14;21)(q11.2;q22). OLIG2 might play a role in learning deficits associated with Down syndrome. This gene encodes a basic helix-loop-helix transcription factor which is expressed in oligodendroglial tumors of the brain. The protein is an essential regulator of ventral neuroectodermal progenitor cell fate. The gene is involved in a chromosomal translocation t(14;21)(q11.2;q22) associated with T-cell acute lymphoblastic leukemia. Its chromosomal location is within a region of chromosome 21 which has been suggested to play a role in learning deficits associated with Down syndrome. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-OLIG2 antibody	Polyclonal ; Transcription Factor ; Transcription Regulation ; Immunohistochemistry ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	17978475
NCBI GeneID	10215
NCBI Accession #	NP_005797
NCBI GenBank Nucleotide #	NM_005806
UniProt Accession #	Q13516
Molecular Weight	32kDa
NCBI Official Full Name	oligodendrocyte transcription factor 2
NCBI Official Synonym Full Names	oligodendrocyte transcription factor 2
NCBI Official Symbol	OLIG2
NCBI Official Synonym Symbols	BHLHB1; OLIGO2; RACK17; PRKCBP2; bHLHe19
NCBI Protein Information	oligodendrocyte transcription factor 2
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/olig2-antibody-western-blot-immunohistochemistry-elisa/197178>