Datasheet for ABIN2777314

anti-OLIG2 antibody (N-Term)

5 Images | 1 Publication

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Overview

Quantity:	100 µL
Target:	OLIG2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Guinea Pig, Dog, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OLIG2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human OLIG2
Sequence:	MDSDASLVSS RPSSPEPDDL FLPARSKGSS GSAFTGGTVS SSTPSDCPPE
Predicted Reactivity:	Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against OLIG2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	OLIG2

Target Details

Alternative Name:	OLIG2 (OLIG2 Products)
Background:	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. Alias Symbols: BHLHB1, OLIGO2, PRKCBP2, RACK17, bHLHe19 Protein Interaction Partner: CUL3, SRRM1, SOX8, NKX2-2, EP300, SOX10, Protein Size: 323
Molecular Weight:	32 kDa
Gene ID:	10215
NCBI Accession:	NM_005806, NP_005797
UniProt:	Q13516

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 323 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

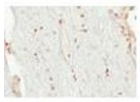
Handling

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 Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Timmusk, Merlot, Lövgren, Järvekülg, Berg, Fossum: "Regulator of G protein signalling 16 is a target for a porcine circovirus type 2 protein." in: **The Journal of general virology**, Vol. 90, Issue Pt 10, pp. 2425-36, (2009) (PubMed).

Images



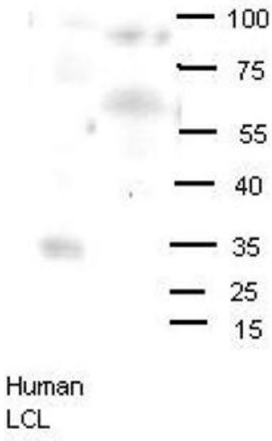
OLIG2 Nterm (ARP31464_P050)
IHC- PZ
Sample: human optic nerve and/or spinal cord
Cellular target: oligoden drocyte lineage cells
Dilution: 1:500

Application data in forum

Submitted by:
Alison Jenning
University of Western Australia
School of Pathology & Lab Med

Image 1. Sample Type: Human Optic Nerve and Spinal CordCellular Target: Oligoden Drocyte Lineage CellsDilution: 1:500

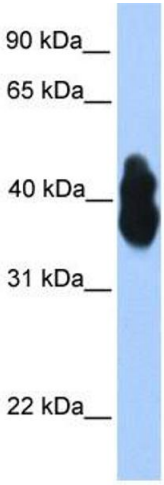
Images



OLIG2 (ARP31464_P050)

Western Blot
Lane 1: Human LCL
1:1000 dilution with 5% milk

Image 2.



Western Blotting

Image 3. WB Suggested Anti-OLIG2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Transfected 293T

Please check the product details page for more images. Overall 5 images are available for ABIN2777314.