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Anti-Olig2 (Ser10/13/14) Antibody

Our Anti-Olig2 (Ser10/13/14) rabbit polyclonal phosphospecific primary antibody from PhosphoSolution
Catalog # AN1502

Product Information

Application	WB
Primary Accession	Q13516
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	32385

Additional Information

Gene ID	10215
Other Names	Basic domain helix loop helix protein class B 6 antibody, Basic domain helix loop helix protein class B6 antibody, BHLH B6 antibody, BHLHB 6 antibody, bHLHb6 antibody, bHLHe21 antibody, Class B basic helix-loop-helix protein 6 antibody, Class E basic helix-loop-helix protein 21 antibody, Olig 1 antibody, Olig1 antibody, OLIG1_HUMAN antibody, Oligo 1 antibody, Oligo1 antibody, Oligodendrocyte lineage transcription factor 1 antibody, Oligodendrocyte specific bHLH transcription factor 1 antibody, Oligodendrocyte transcription factor 1 antibody
Target/Specificity	Olig2 is a well conserved bHLH transcription factor that shows both anti-neural functions and pro-neural functions at different stages in the formation of the oligodendrocyte lineage (Sun et al., 2011). Olig2 is expressed in 100% of the human diffuse gliomas irrespective of grade and required for intracranial tumor formation in a genetically relevant model of malignant glioma (Ligon et al., 2004; Ligon et al., 2007). A developmentally regulated triple serine motif at positions 10, 13 and 14 in the amino terminus is well conserved across species ranging from humans to zebrafish and is essential for Olig2 proliferative function in both normal and malignant neural progenitors (Sun et al., 2011). All three serine residues must be mutated to achieve a strong loss-of-function or gain-of-function phenotype, suggesting that the phosphorylation state of Olig2 represents a significant conformational change in the amino terminus (Sun et al., 2011).
Dilution	WB~~1:1000
Format	Antigen Affinity Purified from Pooled Serum
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Olig2 (Ser10/13/14) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping	Blue Ice

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.