

For Research Use Only

CoraLite®594-conjugated OLIG2 Polyclonal antibody



Catalog Number:CL594-13999

Basic Information

Catalog Number: CL594-13999	GenBank Accession Number: BC047511	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 10215	Recommended Dilutions: IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: Q13516	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG	Full Name: oligodendrocyte lineage transcription factor 2	
Immunogen Catalog Number: AG5089	Calculated MW: 32 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: rat brain tissue,
Species Specificity: human, mouse, rat	

Background Information

OLIG2, also named as BHLHB1, BHLHE19, PRKCBP2 and RACK17, 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. Cooperates with OLIG1, OLIG2 establish the pMN domain of the embryonic neural tube. Antagonist of V2 interneuron and of NIK2-2-induced V3 interneuron development. OLIG2 is widely expressed in subsets of glia cells and progenitors, and it is strongly induced at different sites by both acute and chronic injury, albeit with different mechanisms. OLIG2 acts as a repressor of neurogenesis in cells reacting to brain injury. It may represent an effective approach towards evoking neuronal repair from parenchymal precursors.(PMID:19390819)

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

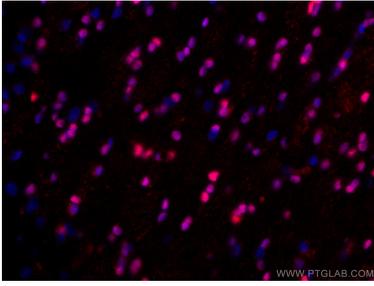
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite@594 Olig2 antibody (CL594-13999) at dilution of 1:200. DAPI (blue).