

For Research Use Only

CoraLite® Plus 488-conjugated OLIG2 Polyclonal antibody



Catalog Number: **CL488-13999**

Basic Information

Catalog Number: CL488-13999	GenBank Accession Number: BC047511	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10215	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: oligodendrocyte lineage transcription factor 2	Excitation/Emission maximum wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 32 kDa	
Immunogen Catalog Number: AG5089	Observed MW: 32 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : 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 NIKX2-2-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

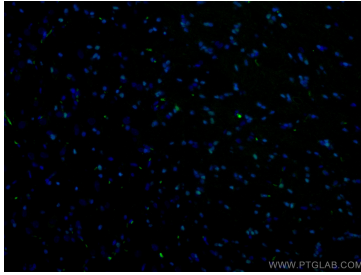
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

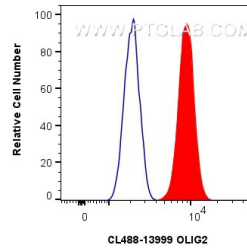
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech 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® Plus 488 OLIG2 antibody (CL488-13999) at dilution of 1:200. DAPI (blue).



1X10⁶ C6 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human OLIG2 (CL488-13999) (red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone:) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).