



OLIG2 (PTR1315) mouse mAb

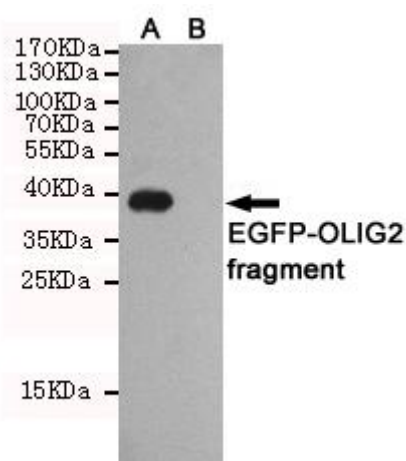
货号	YP-Ab-18100
同位型	IgG
应用	WB;IF;ELISA
种属	Human;Mouse;
靶点	OLIG2
基因名称	olig2
其他名称	Basic domain helix loop helix protein class B 1;Basic helix loop helix protein class B 1;BHLHB1;bHLHB1;bHLHe19;Class B basic helix loop helix protein 1;Class B basic helix-loop-helix protein 1;class E basic helix loop helix protein 19;Class E basic helix-loop-helix protein 19;Human protein kinase C binding protein RACK17;Olig2;OLIG2_HUMAN;Oligo2;Oligodendrocyte lineage transcription factor 2;Oligodendrocyte specific bHLH transcription factor 2;Oligodendrocyte transcription factor 2;OTTHUMP00000067569;OTTHUMP00000067570;PRKCBP2;Protein kinase C binding protein 2;Protein kinase C binding protein RACK17;Protein kinase C-binding protein 2;Protein kinase C-binding protein RACK17;RACK17.
免疫原	Synthesized peptide derived from human protein.AA range:1-100
特异性	This antibody detects endogenous levels of OLIG2 protein.
组成	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
来源	Mouse, Monoclonal/IgG
稀释	WB 1:500-2000. IF 1:100-500. ELISA 1:1000-5000
纯化工艺	Protein G
分子量	32kD
实测条带	32kD
功能	disease:A chromosomal aberration involving OLIG2 may be a cause of a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(14;21)(q11.2;q22) with TCRA.,domain:The bHLH is essential for interaction with NKX2-2.,function: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 to establish the pMN domain of the embryonic neural tube. Antagonist of V2 interneuron and of NKX2-2-induced V3 interneuron development.,induction:By SHH. Also induced by NKX6-1 in the developing spinal cord, but not in the rostral hindbrain.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,subcellular location:The NLS contained in the bHLH domain could be masked in the native form and translocation to the nucleus could be mediated by interaction either with class E bHLH par
背景	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. [provided by RefSeq, Jul 2008],

细胞定位	Nuclear
组织表达	Expressed in the brain, in oligodendrocytes. Strongly expressed in oligodendrogliomas, while expression is weak to moderate in astrocytomas. Expression in glioblastomas highly variable.
浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)
有关注意事项	Avoid repeated freezing and thawing!
使用建议	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot detection of OLIG2 in CHO-K1 cell lysate(B) and CHO-K1 transfected by EGFP-OLIG2 fragment(A) cell lysate using OLIG2 mouse mAb (1:1000 diluted).