ARG52379
anti-Olig 1 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Olig 1
Tested Reactivity	Ms, Rat
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Olig 1
Species	Mouse
Immunogen	Recombinant mouse Olig1
Conjugation	Un-conjugated
Alternate Names	Class E basic helix-loop-helix protein 21; Oligo1; Class B basic helix-loop-helix protein 6; BHLHE21; bHLHe21; bHLHb6; BHLHB6; Oligodendrocyte transcription factor 1

Application Instructions

Application table

Application	Dilution
IHC-P	1:1000
IP	1:50
WB	1:3,000

Application Note: Specific for the ~27 kDa Olig1 protein in Western blots. The antibody also works well for immunohistochemistry, immunocytochemistry and immunoprecipitation.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

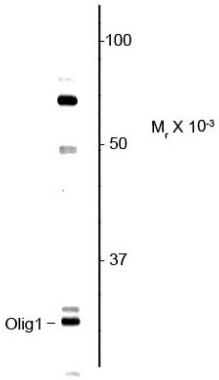
Properties

Form	Liquid
Purification	Protein A purified
Buffer	100 mM Glycine (pH 8.0), 200 mM Tris
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 50914 Mouse GeneID: 60394 Rat Swiss-port # Q9JKN5 Mouse Swiss-port # Q9WUQ3 Rat
Gene Symbol	OLIG1
Gene Full Name	oligodendrocyte transcription factor 1
Background	Olig genes have been identified as the earliest known markers of oligodendrocyte lineage determination to date (Zhou et al., 2000). Olig1 is a transcription factor which promotes formation and maturation of oligodendrocytes, especially within the brain. It is expressed in the ventral spinal cord as early as 9.5 dpc and by 15.5 dpc, olig1 is dispersed throughout the gray matter. In the postnatal brain, it is present preferentially in the white matter, such as corpus callosum and cerebellar medulla. Olig1 has been demonstrated as necessary in the repair of brain lesions in patients with multiple sclerosis (Arnett et al. 2004).
Research Area	Neuroscience antibody
Calculated Mw	28 kDa

Images



ARG52379 anti-Olig 1 antibody WB image

Western blot: neonatal Rat brain lysate showing specific immunolabeling of the ~ 27k Olig1 protein stained with ARG52379 anti-Olig 1 antibody.