

Datasheet for ABIN361358

anti-OLIG1 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	OLIG1
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OLIG1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant mouse Olig1
Specificity:	Specific for the ~27 kDa Olig1 protein in Western blots. The antibody also works well for immunohistochemistry, immunocytochemistry and immunoprecipitation.
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	Protein A purified

Target Details

Target:	OLIG1
Alternative Name:	OLIG1 (OLIG1 Products)
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

Target Details

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). Anti-Olig1 Western blot of neonatal rat brain lysate showing specific immunolabeling of the ~ 27k Olig1 protein.

Molecular Weight: '27 kDa

Gene ID: 50914

UniProt: [Q9JKN5](#)

Application Details

Application Notes: Recommended Dilution: WB: 1:3,000 IHC & ICC: 1:1,000 IP: 1:50 Quality Control: Western blots performed on each lot.

Restrictions: For Research Use only

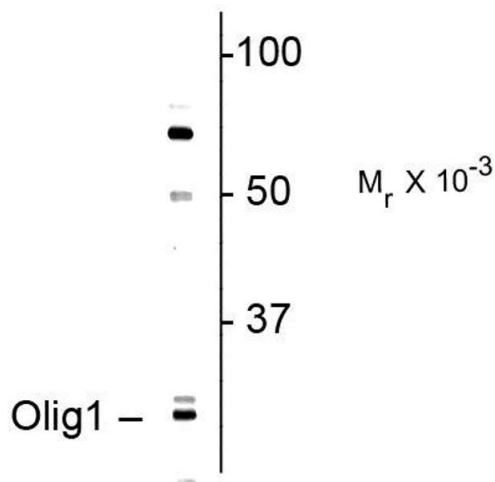
Handling

Format: Liquid

Buffer: 100 µL in 100 mM Glycine, 200 mM Tris, pH 8.0

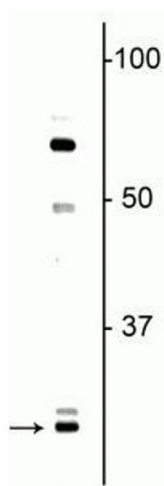
Storage: -20 °C

Images



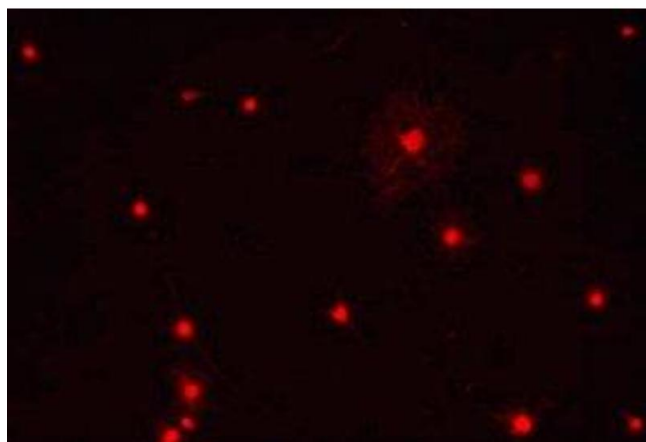
Western Blotting

Image 1. Western blots of neonatal rat brain lysate showing specific immunolabeling of the ~ 27k Olig1 protein.



Western Blotting

Image 2. Western blot of neonatal rat brain lysate showing specific immunolabeling of the ~ 27 kDa Olig1 protein.



Immunostaining

Image 3. Immunostaining of primary rat oligodendrocytes using anti-Olig1.