
Product Name: KD-Validated OLIG1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00013**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000 ; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 27.9kDa

Antigen Information

Gene Name	OLIG1
Alternative Names	OLIG1; Oligodendrocyte Transcription Factor 1; BHLHB6; BHLHE21; Oligodendrocyte-Specific BHLH Transcription Factor 1; Basic Domain, Helix-Loop-Helix Protein, Class B, 6; Oligodendrocyte Lineage Transcription Factor 1; Class E Basic Helix-Loop-Helix Protein 21; Class B Basic Helix-Loop-Helix Protein 6; BHLHe21; Oligo1; BHLHb6
Gene ID	116448.0
SwissProt ID	Q8TAK6
Immunogen	A synthesized peptide derived from human Olig1

Background

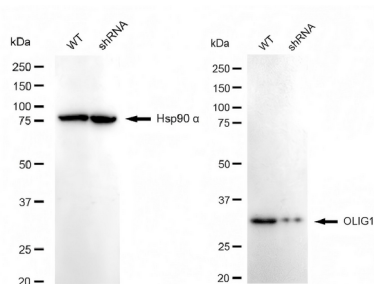
Predicted to enable DNA-binding transcription factor activity, RNA polymerase II-specific and E-box binding activity. Predicted

to be involved in axon development; positive regulation of transcription by RNA polymerase II; and sensory organ development. Predicted to act upstream of or within neuron fate commitment. Predicted to be located in chromatin. Predicted to be active in nucleus. [provided by Alliance of Genome Resources, Jul 2025]

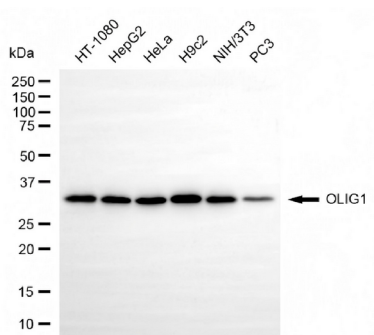
Research Area

Neuroscience

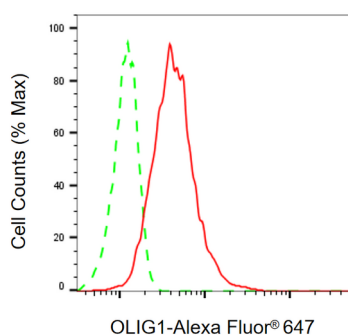
Image Data



Western blotting analysis using OLIG1 antibody (KVA00013). OLIG1 expression in wild-type (WT) and OLIG1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with OLIG1 antibody (KVA00013, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using OLIG1 antibody (KVA00013). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with OLIG1 antibody (KVA00013, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of OLIG1 expression in HepG2 cells using OLIG1 antibody (KVA00013, 1:2,000). Green, isotype control; red, OLIG1.