

Product Name: KD-Validated ZPR1 Zinc Finger Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00843

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 50.9kDa

Antigen Information

Gene Name	ZPR1
Alternative Names	ZPR1; ZPR1 Zinc Finger; Zinc Finger Protein 259; ZNF259; Zinc Finger Protein ZPR1; GKAF
Gene ID	8882.0
SwissProt ID	O75312
Immunogen	A synthesized peptide derived from human ZNF259

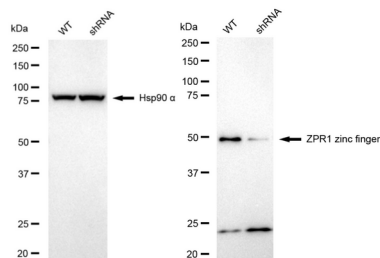
Background

The protein encoded by this gene is found in the cytoplasm of quiescent cells but translocates to the nucleolus in proliferating cells. The encoded protein interacts with survival motor neuron protein (SMN1) to enhance pre-mRNA splicing and to induce neuronal differentiation and axonal growth. Defects in this gene or the SMN1 gene can cause spinal muscular atrophy. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

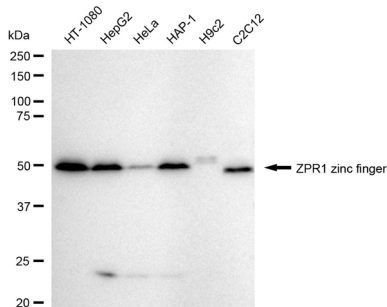
Research Area

Epigenetics and Nuclear Signaling

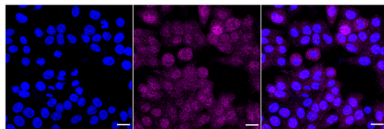
Image Data



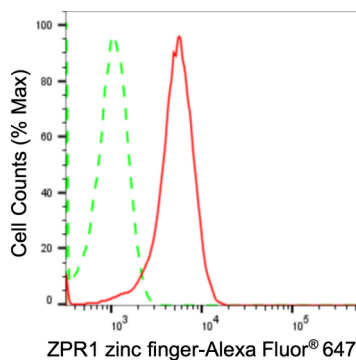
Western blotting analysis using ZPR1 zinc finger antibody (KVA00843). ZPR1 zinc finger expression in wild-type (WT) and ZPR1 zinc finger (ZPR1) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ZPR1 zinc finger antibody (KVA00843, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ZPR1 zinc finger antibody (KVA00843). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ZPR1 zinc finger antibody (KVA00843, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with ZPR1 zinc finger antibody (KVA00843, 1:1,000). Nuclei were stained blue with DAPI; ZPR1 zinc finger was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of ZPR1 zinc finger expression in HepG2 cells using ZPR1 zinc finger antibody (KVA00843, 1:2,000). Green, isotype control; red, ZPR1 zinc finger.