
Product Name: KD-Validated Zinc Fingers And Homeoboxes 2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01273**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
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; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 92.3kDa

Antigen Information

Gene Name	ZHX2 ZHX2; Zinc Fingers And Homeoboxes 2; KIAA0854; Zinc Fingers And Homeoboxes Protein;
Alternative Names	Zinc Finger And Homeodomain Protein; Alpha-Fetoprotein Regulator 1; Regulator Of AFP; AFP Regulator 1; AFR1; RAF; Zinc-Fingers And Homeoboxes 2; Transcription Factor ZHX2
Gene ID	22882.0
SwissProt ID	Q9Y6X8
Immunogen	A synthesized peptide derived from human ZHX2

Background

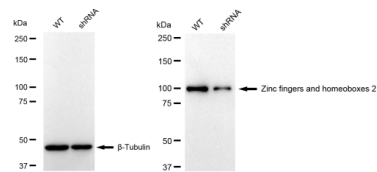
The members of the zinc fingers and homeoboxes gene family are nuclear homodimeric transcriptional repressors that interact

with the A subunit of nuclear factor-Y (NF-YA) and contain two C2H2-type zinc fingers and five homeobox DNA-binding domains. This gene encodes member 2 of this gene family. In addition to forming homodimers, this protein heterodimerizes with member 1 of the zinc fingers and homeoboxes family. [provided by RefSeq, Jul 2008]

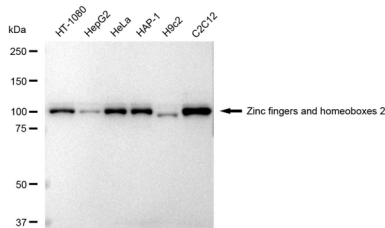
Research Area

Epigenetics and Nuclear Signaling

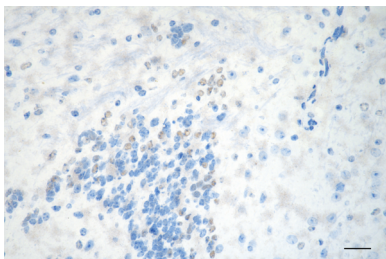
Image Data



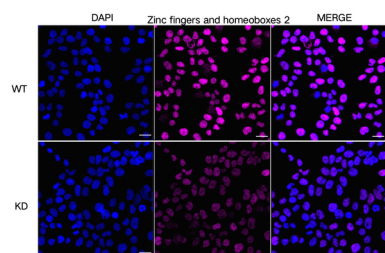
Western blotting analysis using Zinc fingers and homeoboxes 2 antibody (KVA01273). Zinc fingers and homeoboxes 2 expression in wild type (WT) and Zinc fingers and homeoboxes 2 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with Zinc fingers and homeoboxes 2 antibody (KVA01273, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



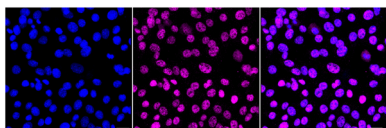
Western blotting analysis using Zinc fingers and homeoboxes 2 antibody (KVA01273). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Zinc fingers and homeoboxes 2 antibody (KVA01273, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



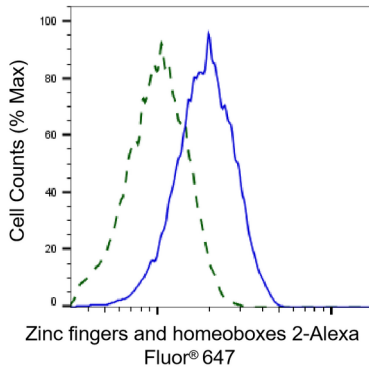
Immunohistochemistry was performed on paraffin-embedded mouse brain using zinc fingers and homeoboxes 2 antibody (KVA01273, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40 $\times$ objective). Scale bar: 25 μ m.



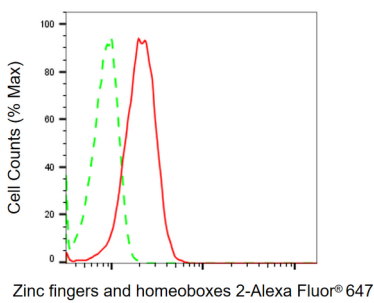
Immunocytochemical staining of HeLa cells using Zinc fingers and homeoboxes 2 antibody (KVA01273, 1:1,000), Top panel: wild-type (WT); Bottom panel: Zinc fingers and homeoboxes 2 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Zinc fingers and homeoboxes 2 was stained magenta with Alexa Fluor[®] 647. Scale bar, 20 μ m.



Immunocytochemical staining of C2C12 cells with Zinc fingers and homeoboxes 2 antibody (KVA01273, 1:1,000). Nuclei were stained blue with DAPI; Zinc fingers and homeoboxes 2 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 μ m.



Validation of Zinc fingers and homeoboxes 2 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Zinc fingers and homeoboxes 2 antibody (KVA01273, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Zinc fingers and homeoboxes 2 expression in HeLa cells using Zinc fingers and homeoboxes 2 antibody (KVA01273, 1:2,000). Green, isotype control; red, Zinc fingers and homeoboxes 2.