10320 Camino Santa Fe, Suite G
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KD-Validated Anti-Zinc fingers and homeoboxes 2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1423

Specification

KD-Validated Anti-Zinc fingers and homeoboxes 2 Rabbit Monoclonal Antibody - Product Information

Application	**WB, ICC**
Primary Accession	Q9Y6X8
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 92 kDa ; Observed, 110 kDa KDa**
Gene Name	**ZHX2**
Aliases	**ZHX2; Zinc Fingers And Homeoboxes 2; KIAA0854; Zinc Fingers And Homeoboxes Protein; 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**
Immunogen	**A synthesized peptide derived from human ZHX2**

KD-Validated Anti-Zinc fingers and homeoboxes 2 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**22882**

Other Names
Zinc fingers and homeoboxes protein 2, Alpha-fetoprotein regulator 1, AFP regulator 1, Regulator of AFP, Zinc finger and homeodomain protein 2, ZHX2, AFR1, KIAA0854, RAF

KD-Validated Anti-Zinc fingers and homeoboxes 2 Rabbit Monoclonal Antibody - Protein Information

Name ZHX2

Synonyms AFR1, KIAA0854, RAF

Function
Acts as a transcriptional repressor (PubMed:12741956). Represses the promoter activity of the CDC25C gene stimulated by NFYA (PubMed:12741956). May play a role in retinal development where it regulates the composition of bipolar cell populations, by promoting differentiation of bipolar OFF-type cells (By similarity). In the brain, may promote maintenance and suppress differentiation of neural progenitor cells in the developing cortex (By similarity).

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:12741956, ECO:0000269|PubMed:17056598} Note=Colocalizes with EFNB1 intracellular domain in the nucleus {ECO:0000250|UniProtKB:Q8C0C0}

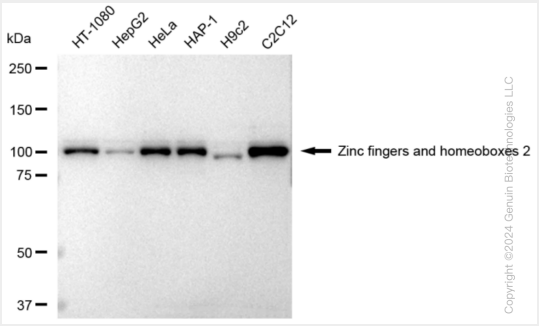
Tissue Location
Ubiquitously expressed. Expressed in podocytes.

KD-Validated Anti-Zinc fingers and homeoboxes 2 Rabbit Monoclonal Antibody - Protocols

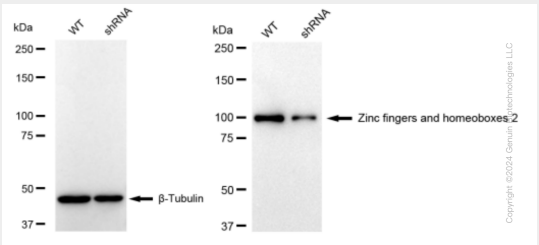
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Zinc fingers and homeoboxes 2 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Zinc fingers and homeoboxes 2 antibody (Cat#61733). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Zinc fingers and homeoboxes 2 antibody (Cat#61733, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-Zinc fingers and homeoboxes 2 antibody (Cat#61733). Zinc fingers and homeoboxes 2 expression in wild type (WT) and Zinc fingers and homeoboxes 2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Zinc fingers and homeoboxes 2 antibody (Cat#61733, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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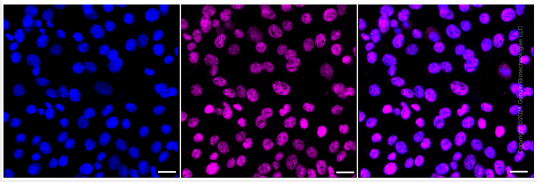

Immunocytochemical staining of C2C12 cells with Zinc fingers and homeoboxes 2 antibody (Cat#61733, 1:1,000). Nuclei were stained blue with DAPI; Zinc fingers and homeoboxes 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.