

Product Name: KD-Validated Forkhead Box P1 Mouse Monoclonal Antibody**Catalog #: KVA01239**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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: 75.3kDa

Antigen Information

Gene Name	FOXP1 FOXP1; Forkhead Box P1; HSPC215; HFKH1B; 12CC4; QRF1; Fork Head-Related Protein Like B;
Alternative Names	Mac-1-Regulated Forkhead; Glutamine-Rich Factor 1; Forkhead Box Protein P1; MFH; PAX5/FOXP1 Fusion Protein
Gene ID	27086.0
SwissProt ID	Q9H334
Immunogen	Recombinant protein of human FOXP1

Background

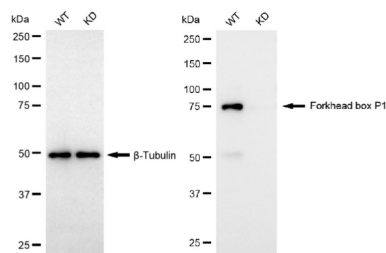
This gene belongs to subfamily P of the forkhead box (FOX) transcription factor family. Forkhead box transcription factors play important roles in the regulation of tissue- and cell type-specific gene transcription during both development and adulthood.

Forkhead box P1 protein contains both DNA-binding- and protein-protein binding-domains. This gene may act as a tumor suppressor as it is lost in several tumor types and maps to a chromosomal region (3p14.1) reported to contain a tumor suppressor gene(s). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

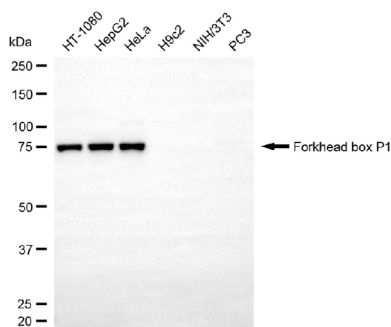
Research Area

Epigenetics and Nuclear Signaling, Cancer

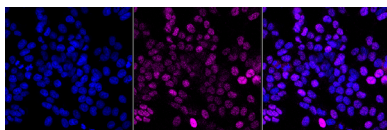
Image Data



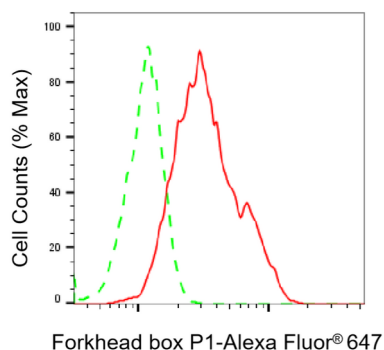
Western blotting analysis using forkhead box P1 antibody (KVA01239). Forkhead box P1 expression in wild-type (WT) and forkhead box P1 (FOXP1) knockdown (KD) HeLa cells with 20 µg of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with forkhead box P1 antibody (KVA01239, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using forkhead box P1 antibody (KVA01239). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with forkhead box P1 antibody (KVA01239, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with Forkhead box P1 antibody (KVA01239, 1:1,000). Nuclei were stained blue with DAPI; Forkhead box P1 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 Forkhead box P1 expression in HAP-1 cells using Forkhead box P1 antibody (KVA01239, 1:2,000). Green, isotype control; red, Forkhead box P1.