Product Name: KO-Validated 14-3-3 Alpha/Beta Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00140
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: 28.1kDa

Antigen Information

Gene Name	YWHAB
Alternative Names	YWHAB; Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein Beta; Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein, Alpha Polypeptide; Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein, Beta Polypeptide; 14-3-3 Protein Beta/Alpha; 14-3-3 Alpha; Protein 1054; KCIP-1; YWHAA; Protein Kinase C Inhibitor Protein-1; Protein Kinase C Inhibitor Protein 1; Epididymis Secretory Protein Li 1; 14-3-3 Beta; HEL-S-1; GW128; HS1
Gene ID	7529.0
SwissProt ID	P31946
Immunogen	A synthesized peptide derived from human 14-3-3 alpha + beta

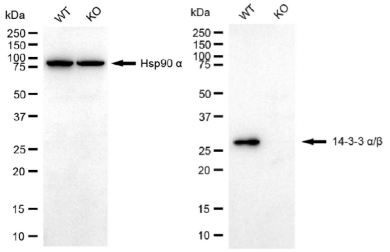
Background

This gene encodes a protein belonging to the 14-3-3 family of proteins, members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq, Jul 2008]

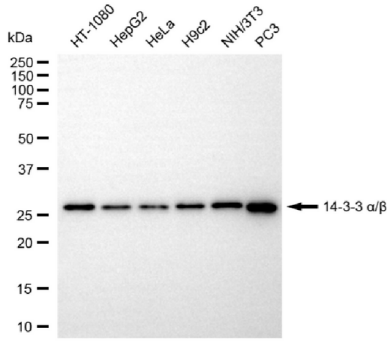
Research Area

Neuroscience,Signal Transduction,Stem Cells

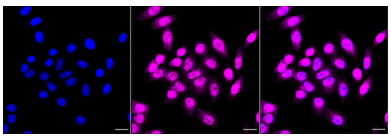
Image Data



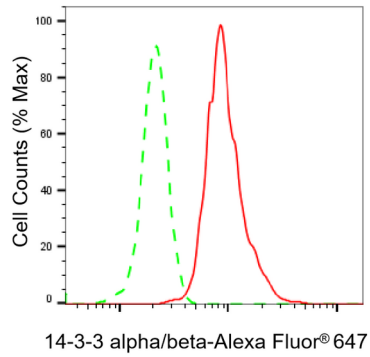
Western blotting analysis using 14-3-3 alpha/beta antibody (KVAb00140). 14-3-3 alpha/beta expression in wild-type (WT) and YWHAB knockout (KO) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with 14-3-3 alpha/beta antibody (KVAb00140, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using 14-3-3 alpha/beta antibody (KVAb00140). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with 14-3-3 alpha/beta antibody (KVAb00140, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with 14-3-3 alpha/beta antibody (KVAb00140, 1:1,000). Nuclei were stained blue with DAPI; 14-3-3 alpha/beta 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 14-3-3 alpha/beta expression in HepG2 cells using 14-3-3 alpha/beta antibody (KVAb00140, 1:2,000). Green, isotype control; red, 14-3-3 alpha/beta.