Product Name: KD-Validated ST13 Mouse Monoclonal Antibody
Catalog #: KVAb01848
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC,IHC-P
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 1:400-1:2,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; Immunohistochemistry-Paraffin(IHC-P): 1:100-1:200
Molecular Weight	Calculated MW: 41.3kDa

Antigen Information

Gene Name	ST13
Alternative Names	ST13; ST13 Hsp70 Interacting Protein; FAM10A1; SNC6; HIP; Progesterone Receptor-Associated P48 Protein; HSPABP1; P48; Suppression Of Tumorigenicity 13 (Colon Carcinoma) (Hsp70 Interacting Protein); Suppression Of Tumorigenicity 13 Protein; Renal Carcinoma Antigen NY-REN-33; Putative Tumor Suppressor ST13; Aging-Associated Protein 2; Hsc70-Interacting Protein; AAG2; Testis Secretory Sperm-Binding Protein Li 233m; Heat Shock 70kD Protein Binding Protein; ST13, Hsp70 Interacting Protein; Hsp70-Interacting Protein; Protein FAM10A1; FAM10A4; PRO0786; HSPABP; HOP; Hip
Gene ID	6767.0
SwissProt ID	P50502

Immunogen Recombinant protein of human ST13

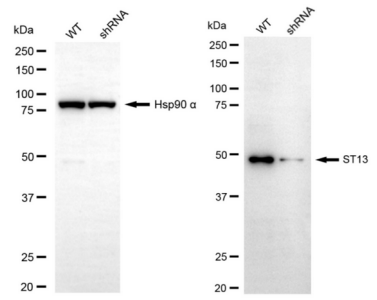
Background

The protein encoded by this gene is an adaptor protein that mediates the association of the heat shock proteins HSP70 and HSP90. This protein has been shown to be involved in the assembly process of glucocorticoid receptor, which requires the assistance of multiple molecular chaperones. The expression of this gene is reported to be downregulated in colorectal carcinoma tissue suggesting that it is a candidate tumor suppressor gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2013]

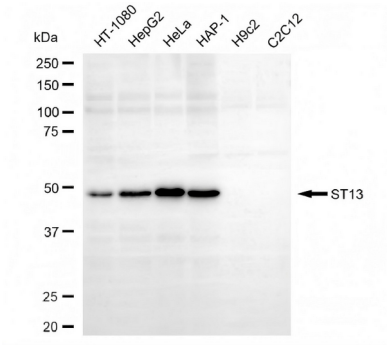
Research Area

Signal Transduction

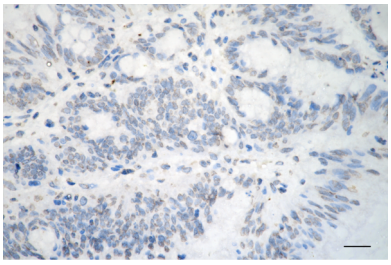
Image Data



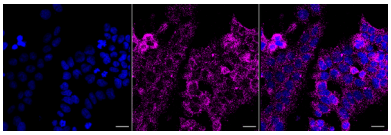
Western blotting analysis using ST13 antibody (KVAb01848). ST13 expression in wild-type (WT) and ST13 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ST13 antibody (KVAb01848, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



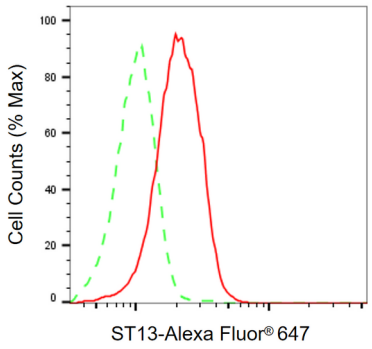
Western blotting analysis using ST13 antibody (KVAb01848). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ST13 antibody (KVAb01848, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using ST13 antibody (KVAb01848, 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× objective). Scale bar: 25 µm.



Immunocytochemical staining of HAP1 cells with ST13 antibody (KVAb01848,1:1,000). Nuclei were stained blue with DAPI; ST13 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 ST13 expression in HAP-1 cells using ST13 antibody (KVAb01848,1:2,000). Green, isotype control; red, ST13.