
Product Name: KD-Validated Tripartite Motif Containing 24 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01282**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human
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: 116.8kDa

Antigen Information

Gene Name	TRIM24 TRIM24; Tripartite Motif Containing 24; RNF82; TIF1A; HTIF1; TIF1; RING-Type E3 Ubiquitin Transferase TIF1-Alpha; Transcription Intermediary Factor 1-Alpha; Transcriptional
Alternative Names	Intermediary Factor 1; E3 Ubiquitin-Protein Ligase TRIM24; RING Finger Protein 82; TIF1-Alpha; Tripartite Motif-Containing Protein 24; Tripartite Motif-Containing 24; EC 2.3.2.27; TIF1ALPHA; EC 6.3.2; Tif1a; PTC6; TF1A
Gene ID	8805.0
SwissProt ID	O15164
Immunogen	A synthesized peptide derived from human TRIM24

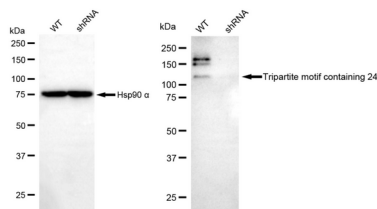
Background

The protein encoded by this gene mediates transcriptional control by interaction with the activation function 2 (AF2) region of several nuclear receptors, including the estrogen, retinoic acid, and vitamin D3 receptors. The protein localizes to nuclear bodies and is thought to associate with chromatin and heterochromatin-associated factors. The protein is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains - a RING, a B-box type 1 and a B-box type 2 - and a coiled-coil region. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

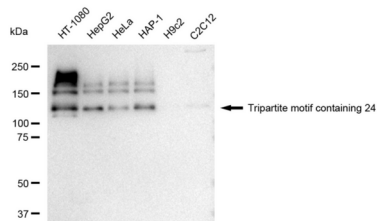
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling

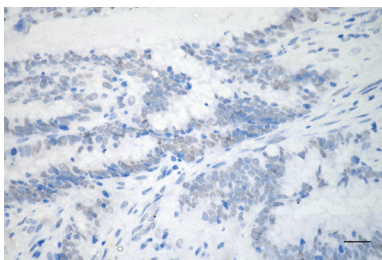
Image Data



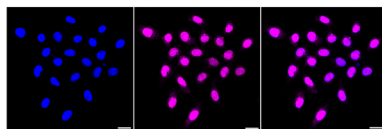
Western blotting analysis using tripartite motif containing 24 antibody (KVA01282). tripartite motif containing 24 expression in wild type (WT) and tripartite motif containing 24 (TRIM24) shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with tripartite motif containing 24 antibody (KVA01282, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



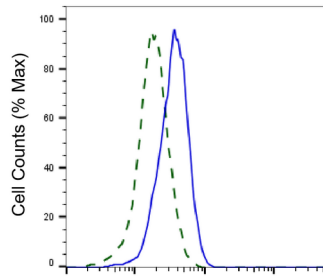
Western blotting analysis using tripartite motif containing 24 antibody (KVA01282). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with tripartite motif containing 24 antibody (KVA01282, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using tripartite motif containing 24 antibody (KVA01282, 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.

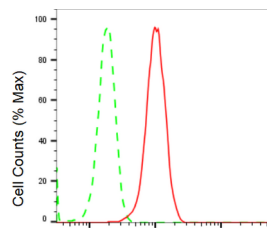


Immunocytochemical staining of HepG2 cells with Tripartite motif containing 24 antibody (KVA01282, 1:1,000). Nuclei were stained blue with DAPI; Tripartite motif containing 24 was stained magenta with Alexa Fluor[®] 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.



Tripartite motif containing 24-Alexa Fluor® 647

Validation of Tripartite motif containing 24 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Tripartite motif containing 24 antibody (KVA01282, 1:2,000) and analyzed using BD flow cytometer.



Tripartite motif containing 24-Alexa Fluor® 647

Flow cytometric analysis of Tripartite motif containing 24 expression in HepG2 cells using Tripartite motif containing 24 antibody (KVA01282, 1:2,000). Green, isotype control; red, Tripartite motif containing 24.