
Product Name: KD-Validated G-Rich RNA Sequence Binding Factor 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00183

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
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
Molecular Weight	Calculated MW: 53.1kDa

Antigen Information

Gene Name	GRSF1
Alternative Names	GRSF1; G-Rich RNA Sequence Binding Factor 1; G-Rich Sequence Factor 1; GRSF-1
Gene ID	2926.0
SwissProt ID	Q12849
Immunogen	A synthesized peptide derived from human GRSF1

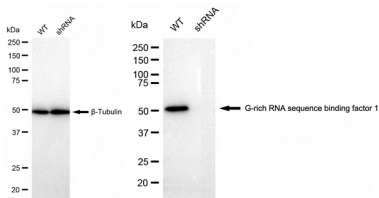
Background

The protein encoded by this gene is a cellular protein that binds RNAs containing the G-rich element. The protein is localized in the cytoplasm, and has been shown to stimulate translation of viral mRNAs in vitro. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

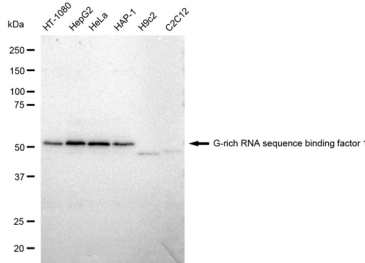
Research Area

Epigenetics and Nuclear Signaling

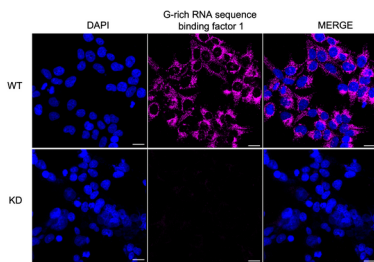
Image Data



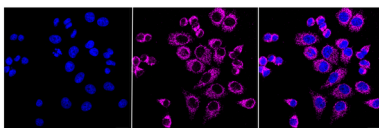
Western blotting analysis using G-rich RNA sequence binding factor 1 antibody (KVA00183). G-rich RNA sequence binding factor 1 expression in wild type (WT) and G-rich RNA sequence binding factor 1 (GRSF1) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with G-rich RNA sequence binding factor 1 antibody (KVA00183, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



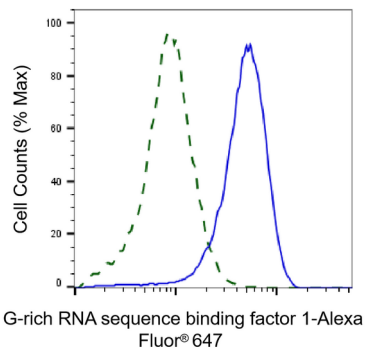
Western blotting analysis using G-rich RNA sequence binding factor 1 antibody (KVA00183). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with G-rich RNA sequence binding factor 1 antibody (KVA00183, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



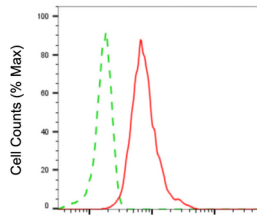
Immunocytochemical staining of HeLa cells using G-rich RNA sequence binding factor 1 antibody (KVA00183, 1:1,000), Top panel: wild-type (WT); Bottom panel: G-rich RNA sequence binding factor 1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; G-rich RNA sequence binding factor 1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HepG2 cells with G-rich RNA sequence binding factor 1 antibody (KVA00183, 1:1,000). Nuclei were stained blue with DAPI; G-rich RNA sequence binding factor 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Validation of G-rich RNA sequence binding factor 1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with G-rich RNA sequence binding factor 1 antibody (KVA00183, 1:2,000) and analyzed using BD flow cytometer.



G-rich RNA sequence binding factor 1-Alexa Fluor® 647

Flow cytometric analysis of g-rich RNA sequence binding factor 1 expression in HepG2 cells using g-rich RNA sequence binding factor 1 antibody (KVA00183, 1:2,000). Green, isotype control; red, g-rich RNA sequence binding factor 1.