

Product Name: KD-Validated FRG1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01585**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
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: 29.2kDa

Antigen Information

Gene Name	FRG1
Alternative Names	FRG1; FSHD Region Gene 1; FRG1A; FSG1; FSHD Region Gene 1 Protein; Protein FRG1; Facioscapulohumeral Muscular Dystrophy Region Gene-1
Gene ID	2483.0
SwissProt ID	Q14331
Immunogen	A synthesized peptide derived from human FRG1

Background

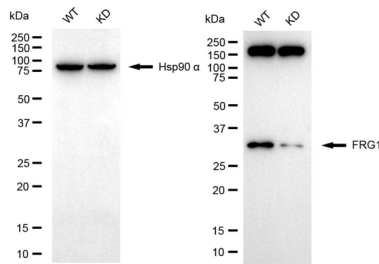
This gene maps to a location 100 kb centromeric of the repeat units on chromosome 4q35 which are deleted in facioscapulohumeral muscular dystrophy (FSHD). It is evolutionarily conserved and has related sequences on multiple human chromosomes but DNA sequence analysis did not reveal any homology to known genes. In vivo studies demonstrate the

encoded protein is localized to the nucleolus. [provided by RefSeq, Jul 2008]

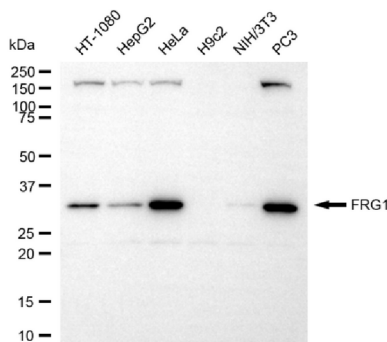
Research Area

Epigenetics and Nuclear Signaling

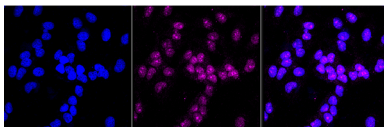
Image Data



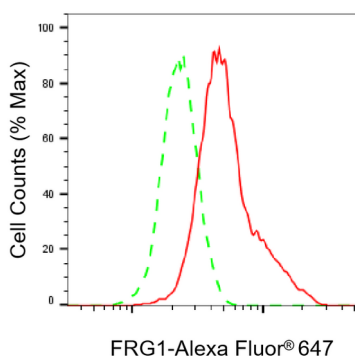
Western blotting analysis using FRG1 antibody (KVA01585). FRG1 expression in wild-type (WT) and FRG1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with FRG1 antibody (KVA01585, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using FRG1 antibody (KVA01585). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with FRG1 antibody (KVA01585, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with FRG1 antibody (KVA01585, 1:1,000). Nuclei were stained blue with DAPI; FRG1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of FRG1 expression in HeLa cells using FRG1 antibody (KVA01585, 1:2,000). Green, isotype control; red, FRG1.