
Product Name: KD-Validated Interferon Regulatory Factor 6 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01784**

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: 53.1kDa

Antigen Information

Gene Name	IRF6
Alternative Names	IRF6; Interferon Regulatory Factor 6; OFC6; VWS1; LPS; VWS; Van Der Woude Syndrome; IRF-6; PPS1; PIT; PPS
Gene ID	3664.0
SwissProt ID	O14896
Immunogen	A synthesized peptide derived from human IRF6

Background

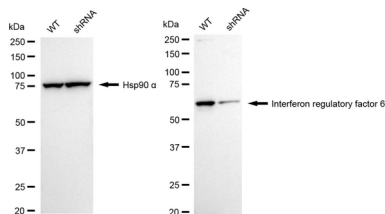
This gene encodes a member of the interferon regulatory transcription factor (IRF) family. Family members share a highly-conserved N-terminal helix-turn-helix DNA-binding domain and a less conserved C-terminal protein-binding domain. The

encoded protein may be a transcriptional activator. Mutations in this gene can cause van der Woude syndrome and popliteal pterygium syndrome. Mutations in this gene are also associated with non-syndromic orofacial cleft type 6. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2011]

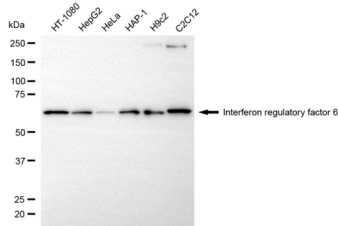
Research Area

Immunology, Epigenetics and Nuclear Signaling, Stem Cells

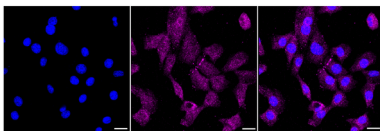
Image Data



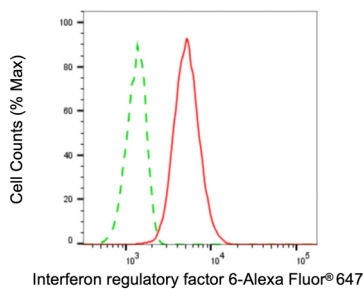
Western blotting analysis using interferon regulatory factor 6 antibody (KVA01784). Interferon regulatory factor 6 expression in wild type (WT) and interferon regulatory factor 6 (IRF6) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with interferon regulatory factor 6 antibody (KVA01784, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using interferon regulatory factor 6 antibody (KVA01784). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with interferon regulatory factor 6 antibody (KVA01784, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with interferon regulatory factor 6 antibody (KVA01784, 1:1,000). Nuclei were stained blue with DAPI; Interferon regulatory factor 6 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 interferon regulatory factor 6 expression in C2C12 cells using interferon regulatory factor 6 antibody (KVA01784, 1:2,000). Green, isotype control; red, interferon regulatory factor 6.