

Product Name: KD-Validated DCAF7 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01118**

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: 38.9kDa

Antigen Information

Gene Name	DCAF7
Alternative Names	DCAF7; DDB1 And CUL4 Associated Factor 7; HAN11; SWAN-1; WDR68; Seven-WD-Repeat Protein Of The AN11 Family-1; WD Repeat-Containing Protein An11 Homolog; DDB1- And CUL4-Associated Factor 7; WD Repeat-Containing Protein 68; Human Anthocyanin; WD Repeat Domain 68; AN11
Gene ID	10238.0
SwissProt ID	P61962
Immunogen	A synthesized peptide derived from DCAF7

Background

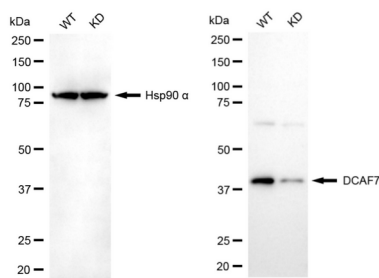
This gene encodes a protein with multiple WD40 repeats which facilitate protein-protein interactions and thereby enable the

assembly of multiprotein complexes. This protein has been shown to function as a scaffold protein for protein complexes involved in kinase signaling. This highly conserved gene is present in eukaryotic plants, fungi, and animals. The ortholog of this gene was first identified in plants as a key regulator of anthocyanin biosynthesis and flower pigmentation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

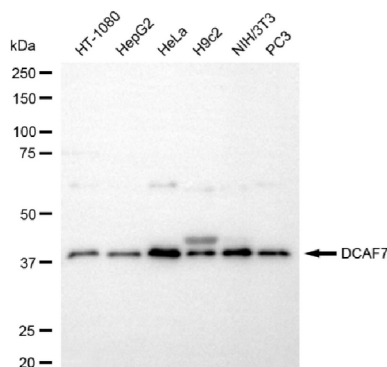
Research Area

Signal Transduction, Cell Biology

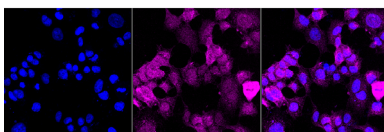
Image Data



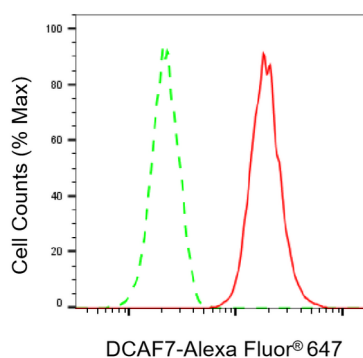
Western blotting analysis using DCAF7 antibody (KVA01118). DCAF7 expression in wild-type (WT) and DCAF7 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with DCAF7 antibody (KVA01118, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using DCAF7 antibody (KVA01118). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DCAF7 antibody (KVA01118, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with DCAF7 antibody (KVA01118, 1:1,000). Nuclei were stained blue with DAPI; DCAF7 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 DCAF7 expression in HAP-1 cells using DCAF7 antibody (KVA01118, 1:2,000). Green, isotype control; red, DCAF7.