
Product Name: KD-Validated Ubiquitination Factor E4A Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00884**

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: 122.6kDa

Antigen Information

Gene Name	UBE4A UBE4A; Ubiquitination Factor E4A; KIAA0126; UBOX2; UFD2; E4; Ubiquitination Factor E4A
Alternative Names	(UFD2 Homolog, Yeast); RING-Type E3 Ubiquitin Transferase E4 A; Ubiquitin Conjugation Factor E4 A; Ubiquitination Factor E4A (Homologous To Yeast UFD2); EC 2.3.2.27; NEDHMS
Gene ID	9354.0
SwissProt ID	Q14139
Immunogen	A synthesized peptide derived from human UBE4A

Background

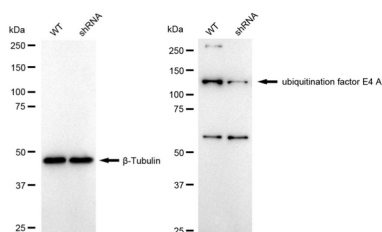
This gene encodes a member of the U-box ubiquitin ligase family. The encoded protein is involved in multiubiquitin chain

assembly and plays a critical role in chromosome condensation and separation through the polyubiquitination of securin. Autoantibodies against the encoded protein may be markers for scleroderma and Crohn's disease. A pseudogene of this gene is located on the long arm of chromosome 3. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2011]

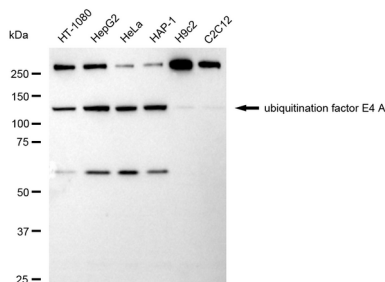
Research Area

Epigenetics and Nuclear Signaling, Cell Biology

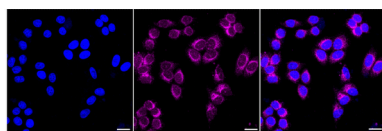
Image Data



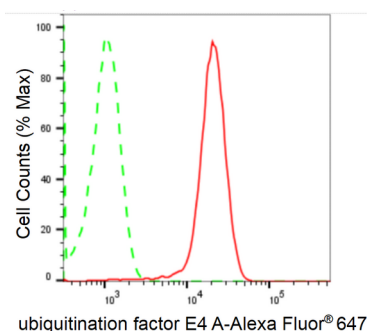
Western blotting analysis using ubiquitination factor E4 A antibody (KVA00884). ubiquitination factor E4 A expression in wild type (WT) and ubiquitination factor E4 A shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with ubiquitination factor E4 A antibody (KVA00884, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ubiquitination factor E4 A antibody (KVA00884). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ubiquitination factor E4 A antibody (KVA00884, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with ubiquitination factor E4 A antibody (KVA00884, 1:1,000). Nuclei were stained blue with DAPI; ubiquitination factor E4 A 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 ubiquitination factor E4 A expression in HepG2 cells using ubiquitination factor E4 A antibody (KVA00884, 1:2,000). Green, isotype control; red, ubiquitination factor E4 A.