
Product Name: KD-Validated ASCC2 Mouse Monoclonal Antibody**Catalog #: KVA00666**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 86.4kDa

Antigen Information

Gene Name	ASCC2 ASCC2; Activating Signal Cointegrator 1 Complex Subunit 2; ASC1p100; ASC-1 Complex
Alternative Names	Subunit P100; Trip4 Complex Subunit P100; DKFZp586O0223; FLJ21588; ASC 1 Complex Subunit P100; ASC1P100; P100; RQT3
Gene ID	84164.0
SwissProt ID	Q9H118
Immunogen	Recombinant protein of human ASCC2

Background

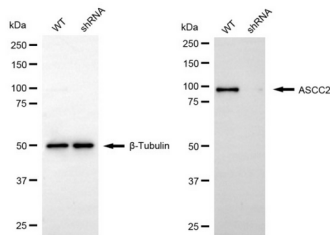
Enables K63-linked polyubiquitin modification-dependent protein binding activity. Involved in regulation of DNA-templated transcription; rescue of stalled ribosome; and ribosome-associated ubiquitin-dependent protein catabolic process. Located in

nucleus. Part of DNA repair complex and RQC-trigger complex. Is active in cytosolic ribosome. [provided by Alliance of Genome Resources, Jul 2025]

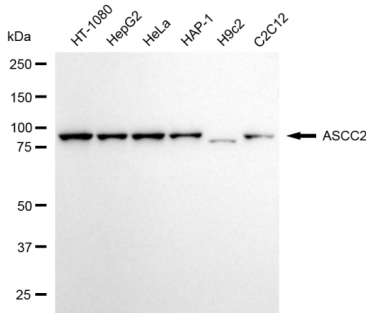
Research Area

Signal Transduction

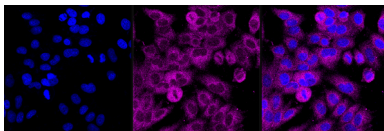
Image Data



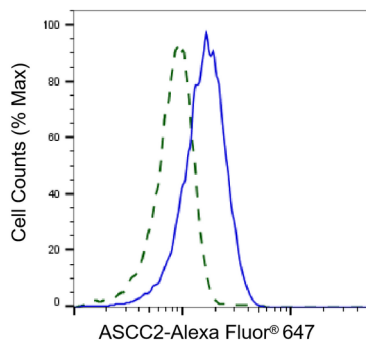
Western blotting analysis using ASCC2 antibody (KVA00666). ASCC2 expression in wild type (WT) and ASCC2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with ASCC2 antibody (KVA00666, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



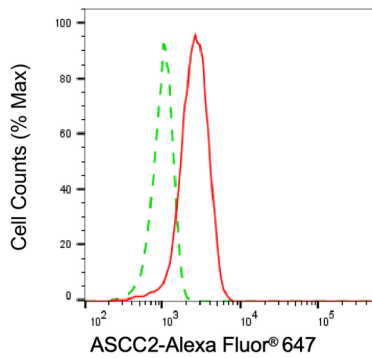
Western blotting analysis using ASCC2 antibody (KVA00666). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ASCC2 antibody (KVA00666, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with ASCC2 antibody (KVA00666, 1:1,000). Nuclei were stained blue with DAPI; ASCC2 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.



Validation of ASCC2 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with ASCC2 antibody (KVA00666, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of ASCC2 expression in HepG2 cells using ASCC2 antibody (KVA00666, 1:2,000). Green, isotype control; red, ASCC2.