

[KD Validated] Anti-ASCC2 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

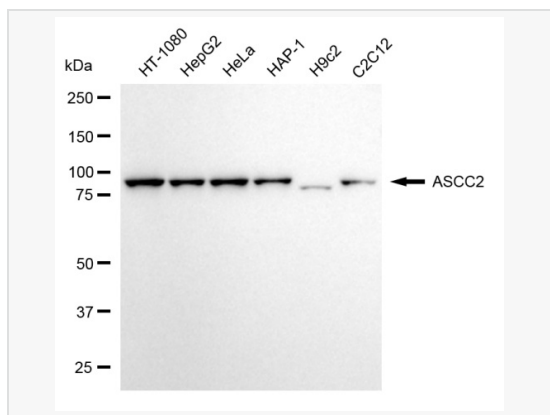
Catalog # M020739

Product Information

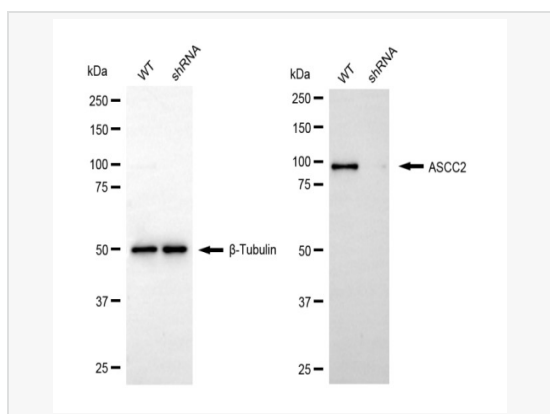
Application	WB, FC, IF (Cell)/ICC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2,500; FC 1:200~1:2,000; IF 1:100~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	99D98O98
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human ASCC2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-ASCC2 Mouse mAb [99D98O98] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

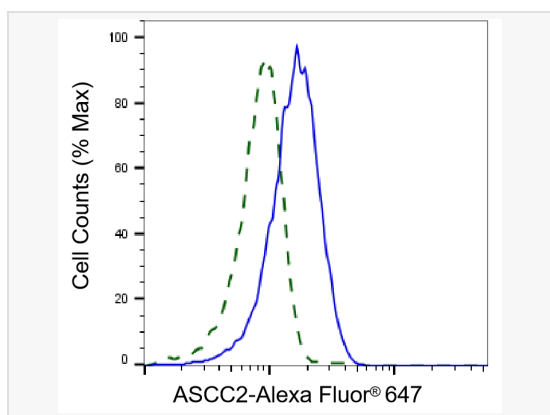
Synonyms	ASCC2; Activating Signal Cointegrator 1 Complex Subunit 2; ASC1p100; ASC-1 Complex Subunit P100; Trip4 Complex Subunit P100; DKFZp586O0223; FLJ21588; ASC 1 Complex Subunit P100; ASC1P100; P100; RQT3.
Calculated MW	Calculated MW: 86 kDa; Observed MW: 86 kDa
Uniprot ID	Q9HI18
Gene ID	84164
Background	Predicted to enable ubiquitin binding activity. Involved in regulation of transcription, DNA-templated; rescue of stalled ribosome; and ribosome-associated ubiquitin-dependent protein catabolic process. Located in nucleus. Part of activating signal cointegrator 1 complex.



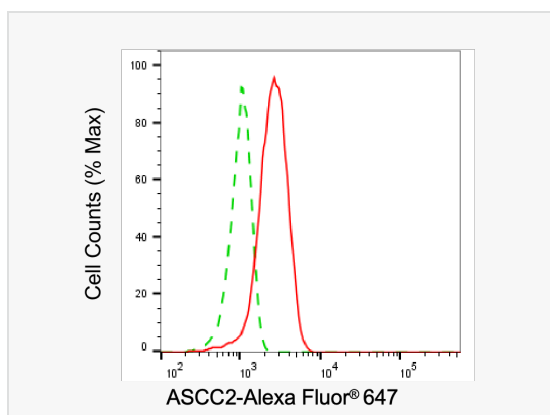
Western blotting analysis using ASCC2 antibody (M020739). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ASCC2 antibody (M020739, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



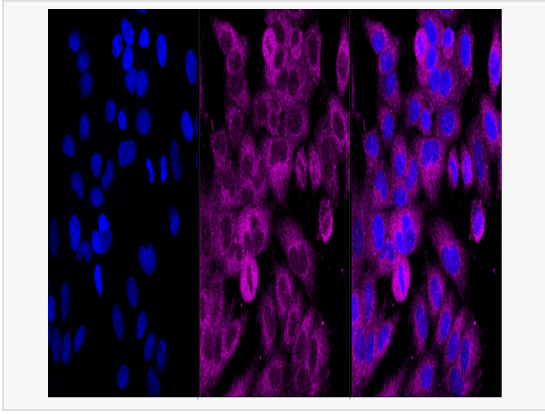
Western blotting analysis using ASCC2 antibody (M020739). ASCC2 expression in wild type (WT) and ASCC2 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with ASCC2 antibody (M020739, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Validation of ASCC2 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with ASCC2 antibody (M020739, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of ASCC2 expression in HepG2 cells using ASCC2 antibody (M020739, 1:2,000). Green, isotype control; red, ASCC2.



Immunocytochemical staining of HepG2 cells with ASCC2 antibody (M020739, 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 .