

Product Name: KD-Validated AdSS 2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01698**

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: 50.1kDa

Antigen Information

Gene Name	ADSS2 ADSS2; Adenylosuccinate Synthase 2; ADSS; Adenylosuccinate Synthetase, Acidic Isozyme; Adenylosuccinate Synthetase, Liver Isozyme; Adenylosuccinate Synthetase Isozyme 2; L-
Alternative Names	Type Adenylosuccinate Synthetase; IMP--Aspartate Ligase 2; EC 6.3.4.4; AMPSase 2; Adenylosuccinate Synthetase (Ade(-)H-Complementing); Epididymis Secretory Sperm Binding Protein; Adenylosuccinate Synthase; ADSS 2; AdSS 2; ADEH
Gene ID	159.0
SwissProt ID	P30520
Immunogen	A synthesized peptide derived from human ADSS2

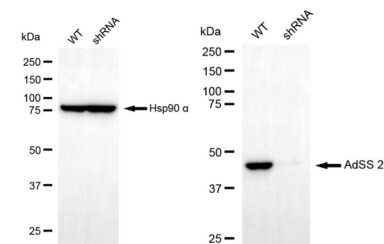
Background

This gene encodes the enzyme adenylosuccinate synthetase which catalyzes the first committed step in the conversion of inosine monophosphate to adenosine monophosphate. A pseudogene of this gene is found on chromosome 17.[provided by RefSeq, Nov 2010]

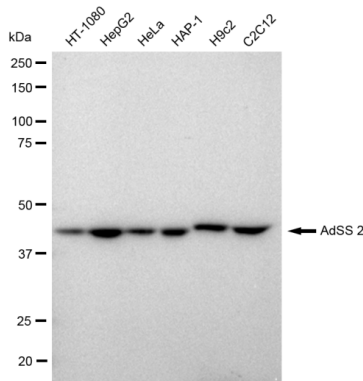
Research Area

Epigenetics and Nuclear Signaling

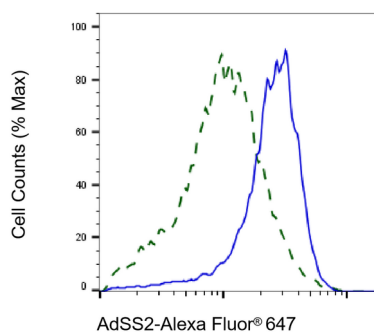
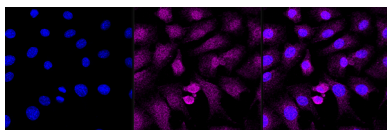
Image Data



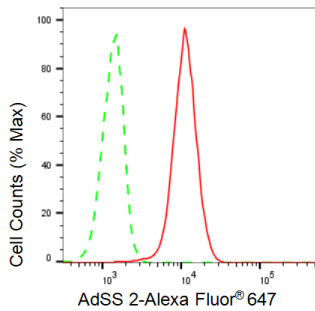
Western blotting analysis using AdSS 2 antibody (KVA01698). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with AdSS 2 antibody (KVA01698, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with AdSS 2 antibody (KVA01698, 1:1,000). Nuclei were stained blue with DAPI; AdSS 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Very low. Scale bar: 20 µm.



Validation of AdSS2 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with AdSS2 antibody (KVA01698, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of AdSS 2 expression in C2C12 cells using AdSS 2 antibody (KVA01698, 1:2,000). Green, isotype control; red, AdSS 2.