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KD-Validated Anti-AdSS 2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1122

Specification

KD-Validated Anti-AdSS 2 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	P30520
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 50 kDa, observed, 45 kDa KDa**
Gene Name	**ADSS2**
Aliases	**ADSS2; Adenylosuccinate Synthase 2; ADSS; Adenylosuccinate Synthetase, Acidic Isozyme; Adenylosuccinate Synthetase, Liver Isozyme; Adenylosuccinate Synthetase Isozyme 2; L-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**
Immunogen	**A synthesized peptide derived from human ADSS2**

KD-Validated Anti-AdSS 2 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**159**

Other Names
Adenylosuccinate synthetase isozyme 2 {ECO:0000255|HAMAP-Rule:MF_03127}, AMPSase 2 {ECO:0000255|HAMAP-Rule:MF_03127}, AdSS 2 {ECO:0000255|HAMAP-Rule:MF_03127}, 6.3.4.4 {ECO:0000255|HAMAP-Rule:MF_03127}, Adenylosuccinate synthetase, acidic isozyme {ECO:0000255|HAMAP-Rule:MF_03127}, Adenylosuccinate synthetase, liver isozyme {ECO:0000255|HAMAP-Rule:MF_03127}, L-type adenylosuccinate synthetase {ECO:0000255|HAMAP-Rule:MF_03127}, IMP--aspartate ligase 2 {ECO:0000255|HAMAP-Rule:MF_03127}, ADSS2 (HGNC:292)

KD-Validated Anti-AdSS 2 Rabbit Monoclonal Antibody - Protein Information

Name ADSS2 (HGNC:292)

Function
Plays an important role in the de novo pathway and in the salvage pathway of purine nucleotide

biosynthesis. Catalyzes the first committed step in the biosynthesis of AMP from IMP.

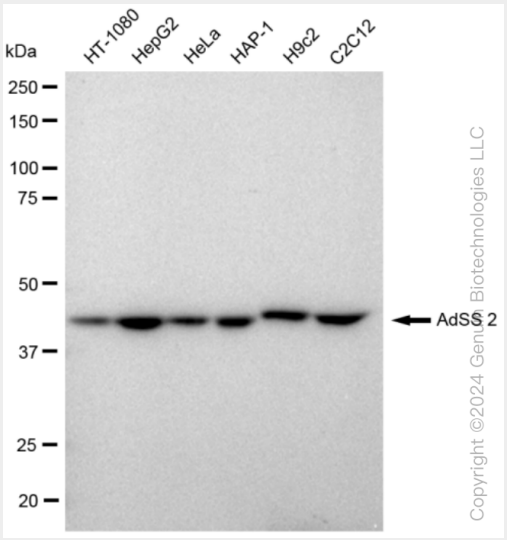
Cellular Location
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03127}. Mitochondrion {ECO:0000250|UniProtKB:A4Z6H1}. Note=Partially associated with particulate fractions

KD-Validated Anti-AdSS 2 Rabbit Monoclonal Antibody - Protocols

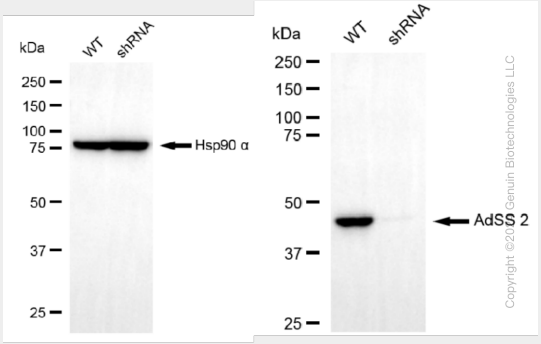
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-AdSS 2 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-AdSS 2 antibody (Cat#AGI1122). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-AdSS 2 antibody (Cat#AGI1122, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



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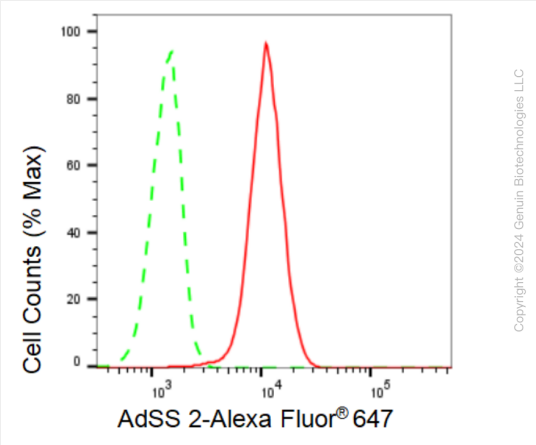
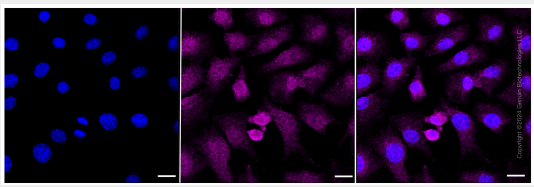
Western blotting analysis using anti-AdSS 2 antibody (Cat#AGI1122). AdSS 2 expression in wild type (WT) and AdSS 2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. GAPDH serves as a loading control. The blot was incubated with anti-AdSS 2 antibody (Cat#AGI1122, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Flow cytometric analysis of AdSS 2 expression in C2C12 cells using AdSS 2 antibody (Cat#AGI1122, 1:2,000). Green, isotype control; red, AdSS 2.



Immunocytochemical staining of C2C12 cells with AdSS 2 antibody (Cat#AGI1122, 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.