

Product Name: KD-Validated AAAS Mouse Monoclonal Antibody**Catalog #: KVA00580**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
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 1:1,000-1:5,000; FC 1:100-1:1,000; ICC 1:100-1:500
Molecular Weight	Calculated MW: 59.6kDa

Antigen Information

Gene Name	AAAS
Alternative Names	AAAS; Aladin WD Repeat Nucleoporin; Adracalin; Aladin; Achalasia, Adrenocortical Insufficiency, Alacrimia; Allgrove, Triple-A; ADRACALA; Achalasia, Adrenocortical Insufficiency, Alacrimia (Allgrove, Triple-A); AAASb; GL003; AAA
Gene ID	8086.0
SwissProt ID	Q9NRG9
Immunogen	Recombinant protein of human AAAS

Background

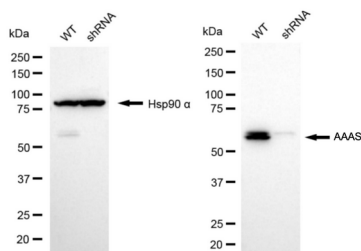
The protein encoded by this gene is a member of the WD-repeat family of regulatory proteins and may be involved in normal development of the peripheral and central nervous system. The encoded protein is part of the nuclear pore complex and is

anchored there by NDC1. Defects in this gene are a cause of achalasia-addisonianism-alacrima syndrome (AAAS), also called triple-A syndrome or Allgrove syndrome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]

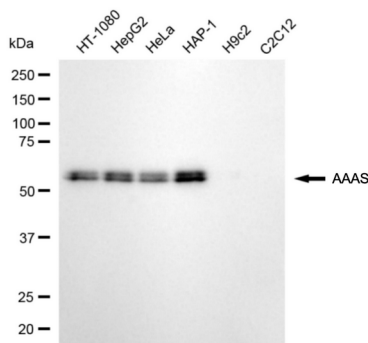
Research Area

Neuroscience

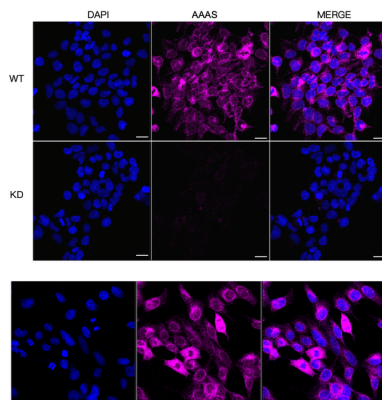
Image Data



Western blotting analysis using aladin AAAS antibody (KVA00580). AAAS expression in wild type (WT) and AAAS shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with AAAS antibody (KVA00580, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.

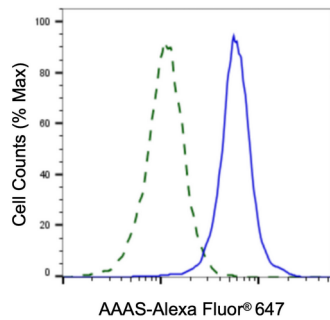


Western blotting analysis using AAAS antibody (KVA00580). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with AAAS antibody (KVA00580, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.

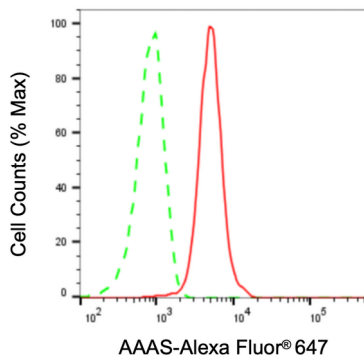


Immunocytochemical staining of HeLa cells using AAAS antibody (KVA00580, 1:1,000), Top panel: wild-type (WT); Bottom panel: AAAS shRNA knockdown (KD). Nuclei were stained blue with DAPI; AAAS was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.

Immunocytochemical staining of HAP1 cells with AAAS antibody (KVA00580, 1:500). Nuclei were stained blue with DAPI; AAAS 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 AAAS knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with AAAS antibody (KVA00580, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of AAAS expression in HAP-1 cells using AAAS antibody (KVA00580, 1:1,000). Green, isotype control; red, AAAS.