

**KD-Validated Anti-AAAS Mouse Monoclonal Antibody**  
**Mouse monoclonal antibody**  
**Catalog # AGI2019****Specification****KD-Validated Anti-AAAS Mouse Monoclonal Antibody - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB, FC  |
| Primary Accession | <a href="#">Q9NRG9</a>  |
| Reactivity        | Human   |
| Clonality         | Monoclonal  |
| Isotype           | Mouse IgG2a   |
| Calculated MW     | Predicted, 60 kDa, observed, 60 kDa kDa   |
| Gene Name         | AAAS  |
| Aliases           | 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 |
| Immunogen         | Recombinant protein of human AAAS   |

**KD-Validated Anti-AAAS Mouse Monoclonal Antibody - Additional Information**

|                                   |      |
|-----------------------------------|------|
| Gene ID                           | 8086 |
| <b>Other Names</b>                |      |
| Aladin, Adracalin, AAAS, ADRACALA |      |

**KD-Validated Anti-AAAS Mouse Monoclonal Antibody - Protein Information****Name** AAAS**Synonyms** ADRACALA**Function**

Plays a role in the normal development of the peripheral and central nervous system (PubMed:[11062474](http://www.uniprot.org/citations/11062474), PubMed:[11159947](http://www.uniprot.org/citations/11159947), PubMed:[16022285](http://www.uniprot.org/citations/16022285)). Required for the correct localization of aurora kinase AURKA and the microtubule minus end-binding protein NUMA1 as well as a subset of AURKA targets which ensures proper spindle formation and timely chromosome alignment (PubMed:[26246606](http://www.uniprot.org/citations/26246606)).

**Cellular Location**

Nucleus, nuclear pore complex. Cytoplasm, cytoskeleton, spindle pole. Nucleus envelope. Note=In metaphase cells localizes within the spindle with some accumulation around spindle poles, with the highest concentration between the centrosome and metaphase plate (PubMed:26246606). The localization to the spindle is microtubule- mediated (PubMed:26246606).

### Tissue Location

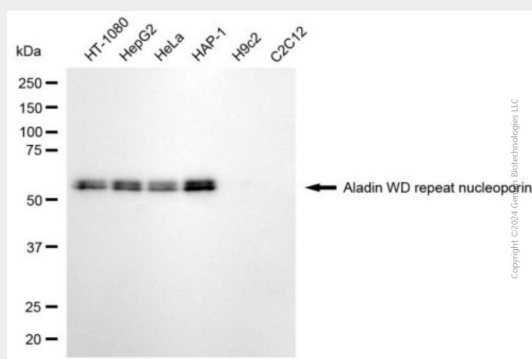
Widely expressed (PubMed:11159947, PubMed:16022285). Particularly abundant in cerebellum, corpus callosum, adrenal gland, pituitary gland, gastrointestinal structures and fetal lung (PubMed:11159947).

### KD-Validated Anti-AAAS Mouse Monoclonal Antibody - Protocols

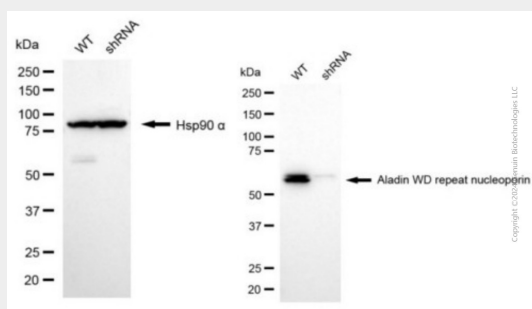
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

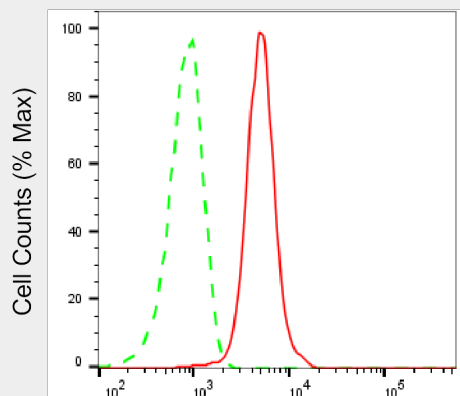
### KD-Validated Anti-AAAS Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-aladin WD repeat nucleoporin antibody (Cat#AGI2019). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-aladin WD repeat nucleoporin antibody (Cat#AGI2019, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-aladin WD repeat nucleoporin antibody (Cat#AGI2019). Aladin WD repeat nucleoporin expression in wild type (WT) and aladin WD repeat nucleoporin (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 anti-aladin WD repeat nucleoporin antibody (Cat#AGI2019, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Aladin WD repeat nucleoporin-Alexa Fluor® 647

Flow cytometric analysis of Aladin WD repeat nucleoporin expression in HAP-1 cells using anti-Aladin WD repeat nucleoporin antibody (Cat#AGI2019, 1:1,000). Green, isotype control; red, Aladin WD repeat nucleoporin.