

Product Name: KD-Validated ASRGL1 Mouse Monoclonal Antibody**Catalog #: KVA00418**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,IHC-P
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 1:400-1:2,000; FC 1:200-1:2,000; IHC-P 1:500-1:1,000
Molecular Weight	Calculated MW: 32.1kDa

Antigen Information

Gene Name	ASRGL1
Alternative Names	ASRGL1; Asparaginase And Isoaspartyl Peptidase 1; ALP; ALP1; Isoaspartyl Peptidase/L-Asparaginase; Asparaginase-Like 1 Protein; L-Asparagine Amidohydrolase; Asparaginase-Like Protein 1; Beta-Aspartyl-Peptidase; Isoaspartyl Dipeptidase; Asparaginase Like 1; EC 3.5.1.1; FLJ22316; CRASH; Testis Secretory Sperm-Binding Protein Li 242mP; L-Asparaginase; EC 3.4.19.5
Gene ID	80150.0
SwissProt ID	Q7L266
Immunogen	Recombinant protein of human ASRGL1

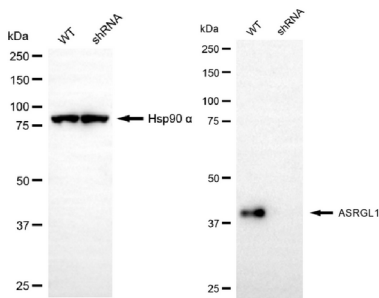
Background

Enables asparaginase activity and beta-aspartyl-peptidase activity. Involved in asparagine catabolic process via L-aspartate. Located in cytoplasm. [provided by Alliance of Genome Resources, Apr 2025]

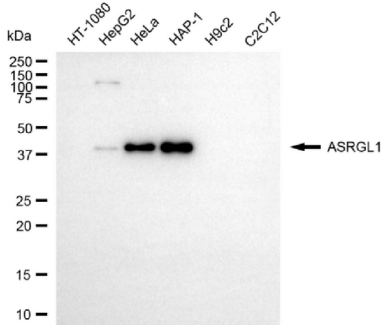
Research Area

Neuroscience, Signal Transduction, Metabolism

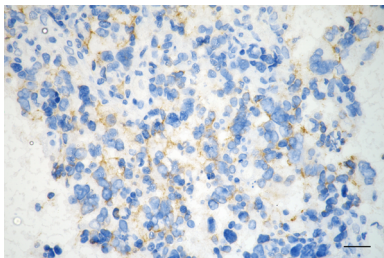
Image Data



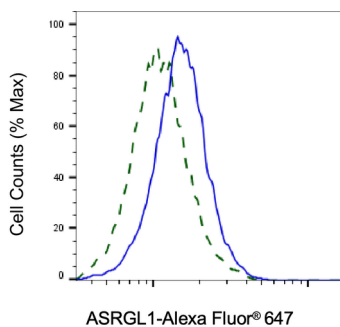
Western blotting analysis using ASRGL1 antibody (KVA00418). ASRGL1 expression in wild-type (WT) and ASRGL1 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ASRGL1 antibody (KVA00418, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



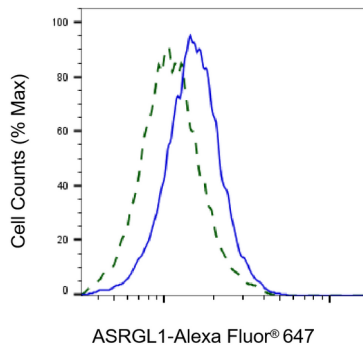
Western blotting analysis using ASRGL1 antibody (KVA00418). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ASRGL1 antibody (KVA00418, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human glioblastoma using ASRGL1 antibody (KVA00418, 1:1000). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40 $\times$ objective). Scale bar: 25 μ m.



Validation of ASRGL1 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with ASRGL1 antibody (KVA00418, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of ASRGL1 expression in HeLa cells using ASRGL1 antibody (KVA00418, 1:2,000). Green, isotype control; red, ASRGL1.