

Product Name: KD-Validated SEH1L Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00327**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
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; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 39.6kDa

Antigen Information

Gene Name	SEH1L
Alternative Names	SEH1L; SEH1 Like Nucleoporin; SEC13L; SEH1A; SEH1B; Seh1; Nup107-160 Subcomplex Subunit SEH1; GATOR2 Complex Protein SEH1; Sec13 Like Protein; SEC13-Like Protein; Nucleoporin Seh1; GATOR Complex Protein SEH1; SEH1-Like (S. Cerevisiae); SEH1-Like Nucleoporin; Nucleoporin SEH1; SEH1
Gene ID	81929.0
SwissProt ID	Q96EE3
Immunogen	A synthesized peptide derived from mouse SEH1L

Background

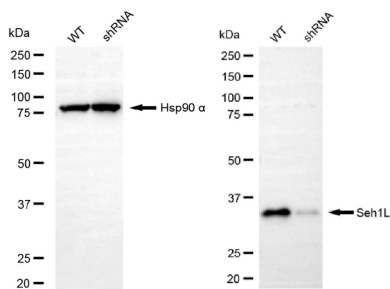
The protein encoded by this gene is part of a nuclear pore complex, Nup107-160. This protein contains WD repeats and shares

34% amino acid identity with yeast Seh1 and 30% identity with yeast Sec13. All constituents of the Nup107-160 complex, including this protein, specifically localize to kinetochores in mitosis. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

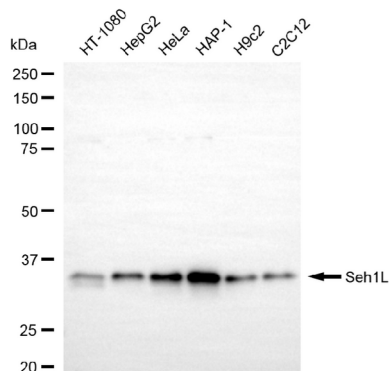
Research Area

Epigenetics and Nuclear Signaling, Signal Transduction

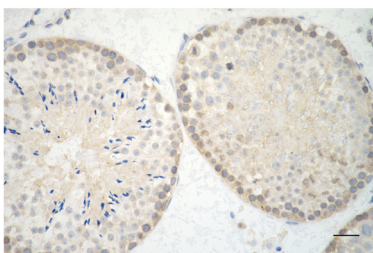
Image Data



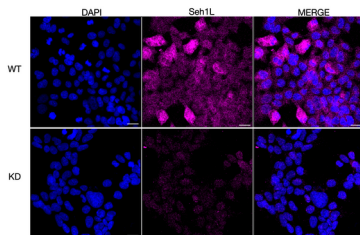
Western blotting analysis using Seh1L antibody (KVA00327). Seh1L expression in wild-type (WT) and SEH1L shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Seh1L antibody (KVA00327, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



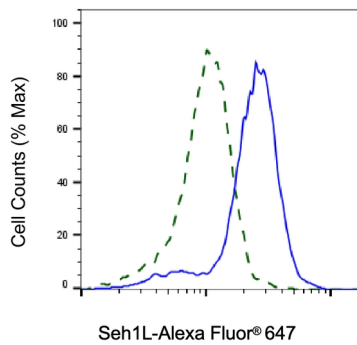
Western blotting analysis using Seh1L antibody (KVA00327). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Seh1L antibody (KVA00327, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded mouse testis tissue using seh1L antibody (KVA00327, 1:200). 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× objective). Scale bar: 25 µm.



Immunocytochemical staining of HeLa cells using Seh1L antibody (KVA00327, 1:1,000). Top panel: wild-type (WT); Bottom panel: Seh1L shRNA knockdown (KD). Nuclei were stained blue with DAPI; Seh1L was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Validation of Seh1L knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Seh1L antibody (KVA00327, 1:2,000) and analyzed using BD flow cytometer.