ARG43003
anti-SEH1L antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SEH1L
Tested Reactivity	Hu, Ms
Tested Application	IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SEH1L
Species	Human
Immunogen	Synthetic peptide of Human SEH1L.
Conjugation	Un-conjugated
Alternate Names	Seh1; SEC13L; SEH1B; SEH1A; SEC13-like protein; Nucleoporin SEH1; Nup107-160 subcomplex subunit SEH1

Application Instructions

Application table

Application	Dilution
IP	1:20
WB	1:1000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	K562
Observed Size	~ 40 kDa

Properties

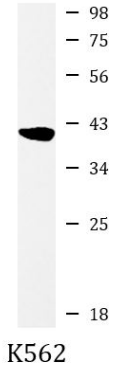
Form	Liquid
Purification	Affinity purified.
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Concentration	Batch dependent
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SEH1L
Gene Full Name	SEH1-like nucleoporin
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]
Function	Component of the Nup107-160 subcomplex of the nuclear pore complex (NPC). The Nup107-160 subcomplex is required for the assembly of a functional NPC. The Nup107-160 subcomplex is also required for normal kinetochore microtubule attachment, mitotic progression and chromosome segregation. This subunit plays a role in recruitment of the Nup107-160 subcomplex to the kinetochore. As a component of the GATOR subcomplex GATOR2, functions within the amino acid-sensing branch of the TORC1 signaling pathway. Indirectly activates mTORC1 and the TORC1 signaling pathway through the inhibition of the GATOR1 subcomplex (PubMed:23723238). It is negatively regulated by the upstream amino acid sensors SESN2 and CASTOR1 (PubMed:25457612, PubMed:27487210). [UniProt]
Calculated Mw	40 kDa
Cellular Localization	Chromosome, centromere, kinetochore. Nucleus, nuclear pore complex. Lysosome membrane. [UniProt]

Images



ARG43003 anti-SEH1L antibody WB image

Western blot: K562 cell lysate stained with ARG43003 anti-SEH1L antibody at 1:1000 dilution.