

Product Name: KD-Validated CSE1L Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01570**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
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
Molecular Weight	Calculated MW: 110.4kDa

Antigen Information

Gene Name	CSE1L CSE1L; Chromosome Segregation 1 Like; XPO2; CAS; CSE1; Cellular Apoptosis Susceptibility Protein; Chromosome Segregation 1-Like Protein; Importin-Alpha Re-Exporter; Exportin-2;
Alternative Names	Exp2; Chromosome Segregation 1 (Yeast Homolog)-Like; CSE1 Chromosome Segregation 1-Like (Yeast); Epididymis Secretory Sperm Binding Protein; CSE1 Chromosome Segregation 1 Like; CSE1 Chromosome Segregation 1-Like; Cellular Apoptosis Susceptibility
Gene ID	1434.0
SwissProt ID	P55060
Immunogen	A synthesized peptide derived from human Exportin2

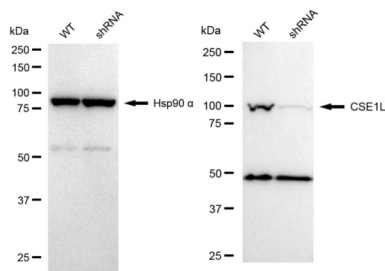
Background

Proteins that carry a nuclear localization signal (NLS) are transported into the nucleus by the importin-alpha/beta heterodimer. Importin-alpha binds the NLS, while importin-beta mediates translocation through the nuclear pore complex. After translocation, RanGTP binds importin-beta and displaces importin-alpha. Importin-alpha must then be returned to the cytoplasm, leaving the NLS protein behind. The protein encoded by this gene binds strongly to NLS-free importin-alpha, and this binding is released in the cytoplasm by the combined action of RANBP1 and RANGAP1. In addition, the encoded protein may play a role both in apoptosis and in cell proliferation. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]

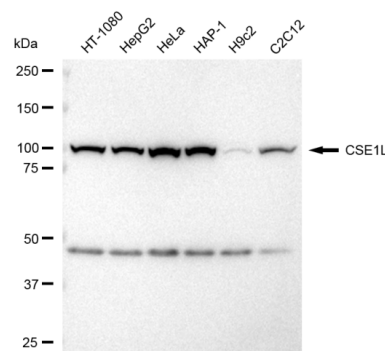
Research Area

Cell Biology,Signal Transduction,Cancer

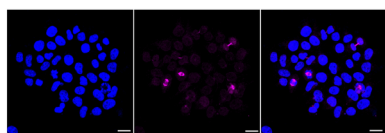
Image Data



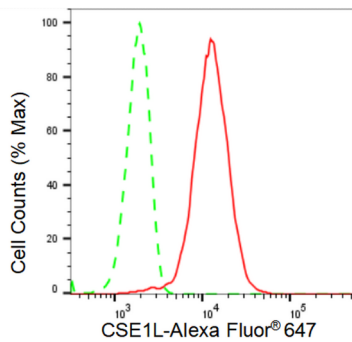
Western blotting analysis using CSE1L antibody (KVA01570). CSE1L expression in wild type (WT) and CSE1L shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CSE1L antibody (KVA01570, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CSE1L antibody (KVA01570). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CSE1L antibody (KVA01570, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively. CSE1L, chromosome segregation 1 like.



Immunocytochemical staining of HeLa cells with CSE1L antibody (KVA01570, 1:1,000). Nuclei were stained blue with DAPI; CSE1L was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: High. Scale bar: 20 µm.



Flow cytometric analysis of CSE1L expression in HeLa cells using CSE1L antibody (KVA01570, 1:2,000). Green, isotype control; red, CSE1L.