10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-CSE1L Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1208

Specification

KD-Validated Anti-CSE1L Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	P55060
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 110 kDa , observed, 98 kDa KDa**
Gene Name	**CSE1L**
Aliases	**CSE1L; Chromosome Segregation 1 Like; XPO2; CAS; CSE1; Cellular Apoptosis Susceptibility Protein; Chromosome Segregation 1-Like Protein; Importin-Alpha Re-Exporter; Exportin-2; 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**
Immunogen	**A synthesized peptide derived from human Exportin2**

KD-Validated Anti-CSE1L Rabbit Monoclonal Antibody - Additional Information

Gene ID **1434**

Other Names
Exportin-2, Exp2, Cellular apoptosis susceptibility protein, Chromosome segregation 1-like protein, Importin-alpha re-exporter, CSE1L, CAS {ECO:0000303|PubMed:7479798}, XPO2

KD-Validated Anti-CSE1L Rabbit Monoclonal Antibody - Protein Information

Name CSE1L

Synonyms CAS {ECO:0000303|PubMed:7479798}, XPO2

Function
Export receptor for importin-alpha. Mediates importin-alpha re-export from the nucleus to the cytoplasm after import substrates (cargos) have been released into the nucleoplasm. In the nucleus binds cooperatively to importin-alpha and to the GTPase Ran in its active GTP-bound form. Docking of this trimeric complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. Upon transit of a nuclear export complex into the cytoplasm, disassembling of the

complex and hydrolysis of Ran-GTP to Ran-GDP (induced by RANBP1 and RANGAP1, respectively) cause release of the importin-alpha from the export receptor. CSE1L/XPO2 then return to the nuclear compartment and mediate another round of transport. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus.

Cellular Location
Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm.

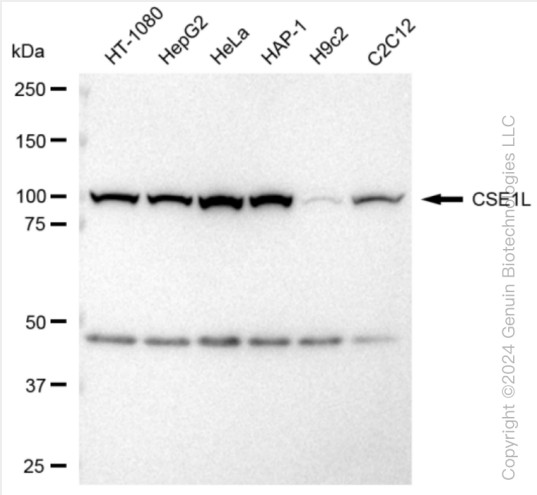
Tissue Location
Detected in brain, placenta, ovary, testis and trachea (at protein level) (PubMed:10331944). Widely expressed (PubMed:10331944). Highly expressed in testis and in proliferating cells (PubMed:10331944, PubMed:7479798).

KD-Validated Anti-CSE1L Rabbit 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 Cytomety
- Cell Culture

KD-Validated Anti-CSE1L Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-CSE1L antibody (Cat#AGI1208). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CSE1L antibody (Cat#AGI1208, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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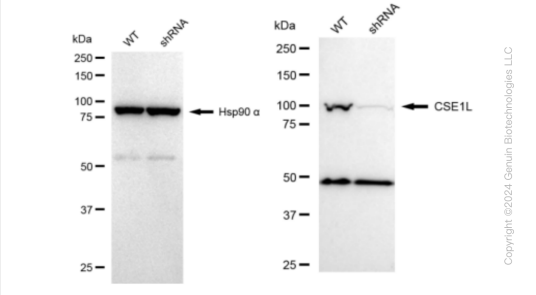
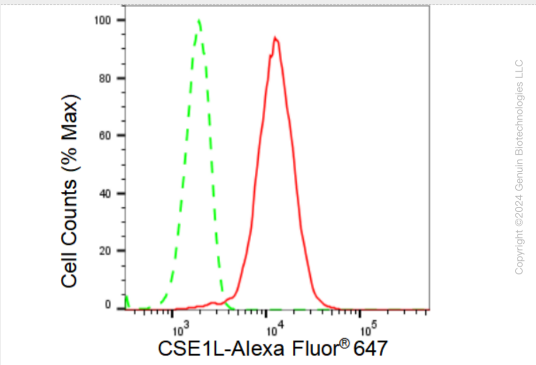
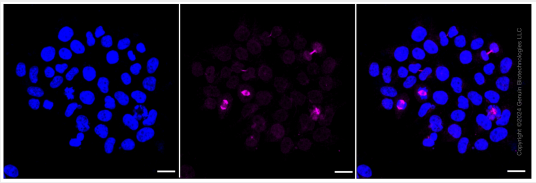


Western blotting analysis using anti-CSE1L antibody (Cat#AGI1208). CSE1L expression in wild type (WT) and CSE1L shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-CSE1L antibody (Cat#AGI1208, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of CSE1L expression in HeLa cells using CSE1L antibody (Cat#AGI1208, 1:2,000). Green, isotype control; red, CSE1L.



Immunocytochemical staining of Hela cells with CSE1L antibody (Cat#AGI1208, 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.