

## **Anti-CSE1L Antibody (clone 2F4)**

Mouse Anti Human Monoclonal Antibody Catalog # ALS17724

### **Specification**

## Anti-CSE1L Antibody (clone 2F4) - Product Information

Application WB, IHC-P, IF, E

Primary Accession
Predicted
Human
Host
Clonality
Isotype
Calculated MW
P55060
Human
Mouse
Mouse
Monoclonal
IgG1,k
110417

## Anti-CSE1L Antibody (clone 2F4) - Additional Information

**Gene ID 1434** 

Alias Symbol CSE1L

**Other Names** 

CSE1L, CAS, CSE1, Exp2, Importin-alpha re-exporter, Exportin-2, XPO2

**Reconstitution & Storage** 

Protein A purified

#### **Precautions**

Anti-CSE1L Antibody (clone 2F4) is for research use only and not for use in diagnostic or therapeutic procedures.

#### Anti-CSE1L Antibody (clone 2F4) - Protein Information

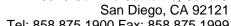
Name CSE1L

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:7479798, PubMed:10331944).

# Anti-CSE1L Antibody (clone 2F4) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CSE1L Antibody (clone 2F4) - Images