

CSE1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10598**Specification**

CSE1 Antibody - Product Information

| | |
|-------------------|---------------------------|
| Application | WB, IP |
| Primary Accession | P55060 |
| Other Accession | NP_001307 |
| Reactivity | Human, Mouse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 110417 |

CSE1 Antibody - Additional Information**Gene ID** 1434**Application & Usage**

Western blotting (1:1000 - 1:2500) and Immunoprecipitation. However, the optimal concentrations should be determined individually. HeLa cell lysate can be used as a positive control. The antibody recognizes the CSE1 of human and mouse origins. Reactivity to other species has not been tested.

Other Names

CSE1, CSE-1, CSE1L, Chromosome Segregation 1-like, CAS, Cellular Apoptosis Susceptibility Protein, XPO2, XPO-2

Target/Specificity

CSE1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µl affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 1% BSA and 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

CSE1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CSE1 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:7479798, PubMed:10331944).

CSE1 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 Cytometry](#)
- [Cell Culture](#)

CSE1 Antibody - Images

CSE1 Antibody - Background

CSE1 function to re-export importin-alpha to the cytoplasm after it has transported nuclear localization signal (NLS) containing proteins to the nucleus. CSE1 is also thought to play a role in cell proliferation and the mitotic spindle checkpoint.