

# Exportin 2 Rabbit mAb

Catalog # AP75254

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F
<b>Primary Accession</b>	<a href="#">P55060</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	110417

## Additional Information

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<b>Gene ID</b>	1434
<b>Other Names</b>	CSE1L
<b>Dilution</b>	WB~~1:1000-1:5000 IHC-P~~N/A IHC-F~~N/A
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	CSE1L
<b>Synonyms</b>	CAS {ECO:0000303   PubMed:7479798}, XPO2
<b>Function</b>	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**

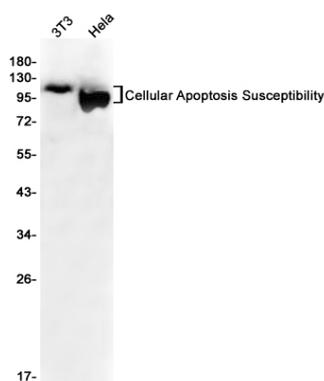
Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm.

**Tissue Location**

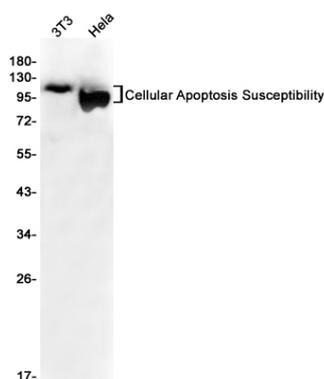
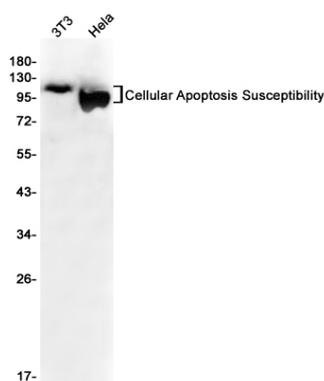
Detected in brain, placenta, ovary, testis and trachea (at protein level) (PubMed:10331944). Widely expressed (PubMed:10331944). Highly expressed in testis and in proliferating cells (PubMed:10331944, PubMed:7479798).

**Background**

CSE1L (Chromosome Segregation 1-Like) is located on 20q13.13, and encodes a 971-amino-acid protein. It associates with microtubules and mitotic spindles, and is also considered to have a role in tumor progression. The CSE1L protein includes a nuclear localization signal allowing for transport into the nucleus via the importin-alpha/beta heterodimer. In addition, CSE1L plays roles in cell proliferation and apoptosis.

**Images**

Western blot analysis of ular Apoptosis Susceptibility in 3T3, HeLa lysates using ular Apoptosis Susceptibility antibody.



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