

KD-Validated Anti-CSE1L Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1208

Product Information

Application	WB, FC, ICC
Primary Accession	P55060
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3515
Calculated MW	110417
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

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

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).

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