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Exportin-2 Recombinant Rabbit mAb

Catalog # AP99552

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P55060
Other Accession	P55060
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	110417
Physical State	Liquid
Immunogen	A synthesized peptide derived from human Exportin 2
Epitope Specificity	900-971/971
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the XPO2/CSE1 family. Contains 1 importin N-terminal domain.
SUBUNIT	Found in a complex with CSE1L/XPO2, Ran and KPNA2. Binds with high affinity to importin-alpha only in the presence of RanGTP. The complex is dissociated by the combined action of RanBP1 and RanGAP1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	1434
Other Names	CAS; CSE1; XPO2; 2610100P18Rik; Capts; XPO2_HUMAN; CSE1L; Exp2; Cellular apoptosis susceptibility protein; Chromosome segregation 1-like protein; Importin-alpha re-exporter; XPO2_MOUSE; chromosome segregation 1 like; chromosome segregation 1 (yeast homolog)-like; CSE1 chromosome segregation 1-like (yeast); CSE1 chromosome segregation 1 like; cellular apoptosis susceptibility
Dilution	WB=1:500-2000,IHC-P=1:50-200,IHC-F=1:50-200,ICC/IF=1:50-200,IF=1:50-200, Flow-Cyt=1:50-100
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.