
Exportin-2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251449

Unit: 0.1 mg

Description:

Exportin-2 (CAS; Cellular apoptosis susceptibility protein; Exportin-2; Exp2; Importin-alpha re-exporter; Chromosome segregation 1-like protein; CSE1L; CAS; XPO2) mediates importin-alpha re-export from the nucleus to the cytoplasm after import substrates (cargos) have been released into the nucleoplasm. In the nucleus, Exportin-2 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) causes release of importin-alpha from the export receptor. Exportin-2 then returns to the nuclear compartment and mediates 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.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: CAS; Cellular apoptosis susceptibility protein; Exportin-2; Exp2; Importin-alpha re-exporter; Chromosome segregation 1-like protein; CSE1L; CAS; XPO2

Accession No.: P55060

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Exportin-2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.