

CAS Polyclonal Antibody

Catalog # AP68824

Product Information

Application WB, IHC-P, IF, IP

Primary Accession
Reactivity
Host
Clonality
P55060
Human
Rabbit
Polyclonal

Additional Information

Other Names CSE1L; CAS; XPO2; Exportin-2; Exp2; Cellular apoptosis susceptibility protein;

Chromosome segregation 1-like protein; Importin-alpha re-exporter

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

Immunoprecipitation: 2-5 ug/mg lysate. Immunofluorescence: 1/200 - 1/1000.

ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A

IF~~1:50~200 IP~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Background

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.

Images

Western Blot analysis of various cells using CAS Polyclonal Antibody diluted at 1: 2000



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