
Importin beta-1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252121

Unit: 0.1 mg

Description:

Importin subunit beta-1 (importin beta-1) functions in nuclear protein import, either in association with an adapter protein, such as an importin-alpha subunit, which binds to nuclear localization signals (NLS) in cargo substrates, or by acting as autonomous nuclear transport receptor. Acting autonomously, importin beta-1 functions as a NLS receptor. Docking of the importin/substrate complex to the nuclear pore complex (NPC) is mediated by importin beta-1 through binding to nucleoporin FxFG repeats and the complex is subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism.

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: Importin subunit beta-1; Karyopherin subunit beta-1; Nuclear factor p97; Pore targeting complex 97 kDa subunit; PTAC97; Importin-90

Accession No.: Q14974

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human importin beta-1.

Application Notes: E: 1:10,000-1:50,000; WB: 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.