

Karyopherin β 3 (IPO5) Rabbit mAb

Catalog No.: A22764 **Recombinant**

Basic Information

Observed MW

124kDa

Calculated MW

124kDa

Category

Primary antibody

Applications

ELISA,WB

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC59432

Background

Nucleocytoplasmic transport, a signal- and energy-dependent process, takes place through nuclear pore complexes embedded in the nuclear envelope. The import of proteins containing a nuclear localization signal (NLS) requires the NLS import receptor, a heterodimer of importin alpha and beta subunits also known as karyopherins. Importin alpha binds the NLS-containing cargo in the cytoplasm and importin beta docks the complex at the cytoplasmic side of the nuclear pore complex. In the presence of nucleoside triphosphates and the small GTP binding protein Ran, the complex moves into the nuclear pore complex and the importin subunits dissociate. Importin alpha enters the nucleoplasm with its passenger protein and importin beta remains at the pore. Interactions between importin beta and the FG repeats of nucleoporins are essential in translocation through the pore complex. The protein encoded by this gene is a member of the importin beta family.

Recommended Dilutions

WB	1:2000 - 1:10000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

3843

Swiss Prot

O00410

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 20-300 of human Karyopherin β 3 (IPO5). (NP_002262.4).

Synonyms

IMB3; Pse1; imp5; KPNB3; RANBP5; Karyopherin β 3 (IPO5)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

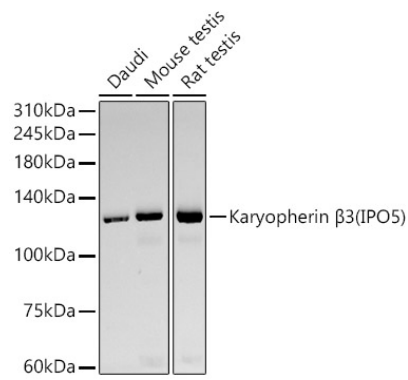
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates, using Karyopherin β 3 (IPO5) Rabbit mAb (A22764) at 1:10000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.