

IPO5 Rabbit pAb

CatalogNo: YN0803

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 120kD (Observed)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

| Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

Synthesized peptide derived from part region of human protein

Specificity

IPO5 Polyclonal Antibody detects endogenous levels of protein.

| Target Information

Gene name

IPO5 KPNB3 RANBP5

Protein Name Importin-5 (Imp5) (Importin subunit beta-3) (Karyopherin beta-3) (Ran-binding protein 5) (RanBP5)

Organism	Gene ID	UniProt ID
Human	3843 ;	O00410 ;
Mouse		Q8BKC5 ;

Cellular Localization Cytoplasm. Nucleus. Nucleus, nucleolus. Nucleus; nuclear rim. Found particularly in the nuclear rim and nucleolus.

Tissue specificity Bone marrow,Epithelium,Lung,Placenta,T-cell,Thalamus,

Function Function:Functions in nuclear protein import as nuclear transport receptor. Serves as receptor for nuclear localization signals (NLS) in cargo substrates. Is thought to mediate docking of the importin/substrate complex to the nuclear pore complex (NPC) through binding to nucleoporin and the complex is subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to the importin, the importin/substrate complex dissociates and importin is re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran. The directionality of nuclear import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus (By similarity). Mediates the nuclear import of ribosomal proteins RPL23A, RPS7 and RPL5. Binds to a beta-like import receptor binding (BIB) domain of RPL23A. In vitro, mediates nuclear import of H2A, H2B, H3 and H4 histones. In case of HIV-1 infection, binds and mediates the nuclear import of HIV-1 Rev.,similarity:Belongs to the importin beta family.,similarity:Contains 1 importin N-terminal domain.,similarity:Contains 6 HEAT repeats.,subcellular location:Nucleus; nuclear rim. Found particularly in the nuclear rim and nucleolus.,subunit:Binds RPL23A, RPS7 and RPL5. Interacts with H2A, H2B, H3 and H4 histones (By similarity). Binds to HIV-1 Rev.,

Validation Data

Contact information

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