

IPO9 Rabbit pAb

CatalogNo: YN0805

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 114kD (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

IPO9 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

IPO9 IMP9 KIAA1192 RANBP9 HSPC273

Protein Name	Importin-9 (Imp9) (Ran-binding protein 9) (RanBP9)		
	Organism	Gene ID	UniProt ID
	Human	55705;	Q96P70;
	Mouse		Q91YE6;
Cellular Localization	Cytoplasm . Nucleus .		
Tissue specificity	Amygdala,B-cell lymphoma,Brain,Placenta,Umbilical cord blood,		
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 H2B histone (By similarity), RPS7 and RPL18A. Prevents the cytoplasmic aggregation of RPS7 and RPL18A by shielding exposed basic domains. May also import H2A, H3, H4 histones (By similarity), RPL4 and RPL6.,similarity:Belongs to the importin beta family.,similarity:Contains 1 importin N-terminal domain.,subunit:Binds with high affinity to RPS7 and RPL18A. The binding is coupled to RanGTP cycles. May bind H2A, H3, H4 histones (By similarity), RPL4 and RPL6 with low affinity. Interacts with PPP2R1A and PPP2R1B.,		

Validation Data

Contact information

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