XPO7 Rabbit pAb

CatalogNo: YN2880

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse	• WB,ELISA

MW	Isotype
• 119kD (Observed)	• 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	XPO7 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name	XPO7 KIAA0745 RANBP16

Protein Name	Exportin-7 (Exp7) (Ran-binding protein 16)

Organism	Gene ID	UniProt ID
Human	23039;	Q9UIA9;
Mouse		Q9EPK7;

Cellular Localization	Cytoplasm . Nucleus . Shuttles between the nucleus and the cytoplasm. .
Tissue specificity	Strong expression in testis, thyroid and bone marrow, low expression in lung, liver and small intestine, no expression in thymus, and remaining tissues studied have moderate expression. Expressed in red blood cells; overexpressed in red blood cells (cytoplasm) of patients with hereditary non-spherocytic hemolytic anemia of unknown etiology.
Function	Function:Mediates the nuclear export of proteins (cargos) with broad substrate specificity. In the nucleus binds cooperatively to its cargo 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 cargo from the export receptor. XPO7 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.,similarity:Belongs to the exportin family.,similarity:Contains 1 importin N-terminal domain.,subcellular location:Shuttles between the nucleus and the cytoplasm.,subunit:Binds to nucleoporins. Found in a complex with XPO7, EIF4A1, ARHGAP1, VPS26A, VPS29, VPS35 and SFN. Interacts with ARHGAP1 and SFN. Interacts with Ran and cargo proteins in a GTP-dependent manner.,tissue specificity:Strong expression in testis, thyroid and bone marrow, low expression in lung, liver and small intestine, no expression in thymus, and remaining tissues studied have moderate expression.,

Validation Data

Contact information

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Please scan the QR code to access additional product information:
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