

#### OriGene Technologies, Inc.

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# Product datasheet for TA359771

### Karyopherin beta 3 (IPO5) Rabbit Polyclonal Antibody

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human IPO5
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	120kDa
Gene Name:	importin 5
Database Link:	<u>Entrez Gene 3843 Human</u> <u>O00410</u>

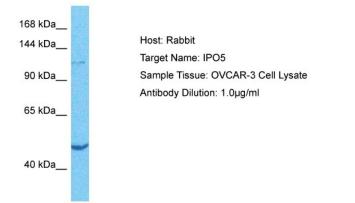


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	Karyopherin beta 3 (IPO5) Rabbit Polyclonal Antibody – TA359771
Background:	Nucleocytoplasmic transport, a signal- and energy-dependent process, takes place through nuclear pore complexes embedded in the nuclear envelope. The import of proteins containing 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.
	passenger protein and importin beta remains at the pore. Interactions between importin beta

**Synonyms:** DKFZp686O1576; FLJ43041; IMB3; Imp5; KPNB3; MGC2068; RanBP5

## **Product images:**



Host: Rabbit Target Name: IPO5 Sample Type: OVCAR-3 Whole Cell lysates Antibody Dilution: 1.0ug/ml

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