

## Product Datasheet

### KPNB1 Antibody (orb3162061)

<b>Catalog Number</b>	orb3162061
<b>Category</b>	Antibodies
<b>Description</b>	KPNB1 Antibody
<b>Target</b>	KPNB1
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Buffer/Preservatives</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Protein A
<b>Immunogen</b>	Polypeptide
<b>MW</b>	97kDa
<b>Tested applications</b>	ELISA, ICC, IHC, WB
<b>Dilution range</b>	IHC;:1:200-1:2000;ICC/IF;:1:100-1:500;WB;:1:1000-1:2000
<b>Antibody Type</b>	Primary Antibody

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**DNA Notes**

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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2013]

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

For research use only

**Expiration Date**

12 months from date of receipt.

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