

For Research Use Only

# Importin Beta Monoclonal antibody

Catalog Number: 67597-1-Ig



## Basic Information

<b>Catalog Number:</b> 67597-1-Ig	<b>GenBank Accession Number:</b> BC003572	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1500 µg/ml by Nanodrop and 780 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3837	<b>CloneNo.:</b> 1A12B1
<b>Source:</b> Mouse	<b>Full Name:</b> karyopherin (importin) beta 1	<b>Recommended Dilutions:</b> WB 1:2000-1:6000 IHC 1:200-1:800
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 97 kDa	
<b>Immunogen Catalog Number:</b> AG23094	<b>Observed MW:</b> 95-97 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

Human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HeLa cells, HepG2 cells, Jurkat cells, K-562 cells

IHC : human colon cancer tissue,

## Background Information

Importin beta1, also known karyopherin beta or KPNB1, is a nuclear transport receptor that plays a key role in the nuclear import process. Importin beta1 and importin alpha work in concert to transport cargo into the nucleus, functioning as an essential component of the classical nuclear localization signal (NLS) pathway. Elevated expression of importin beta1 has been found in cervical tumors. (22125623)

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

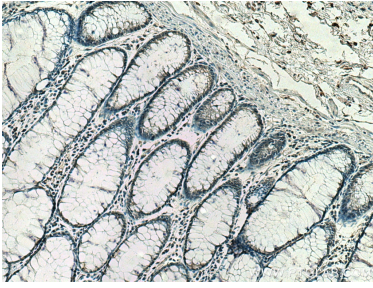
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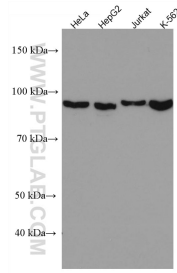
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67597-1-Ig (Importin beta antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 67597-1-Ig (Importin beta antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.