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# Datasheet for ABIN7260031 anti-Importin 5 antibody

2 Images



#### Overview

Quantity:	200 µL
Target:	Importin 5 (IPO5)
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Importin 5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein of human IPO5 (NP_002262.3).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

### Target Details

Target:	Importin 5 (IPO5)
Alternative Name:	IPO5 (IPO5 Products)
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

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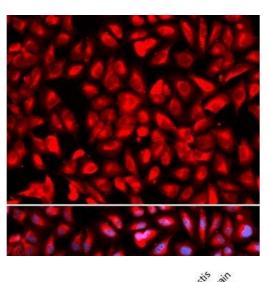
### Target Details

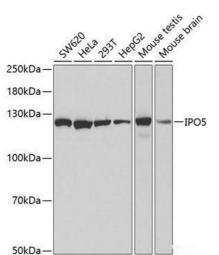
	cargo in the cytoplasm and importin beta docks the complex at the cytoplasmic side of the nuclear pore complex. In the presence of nucleoside triphosphates and the small GTP binding protein Ran, the complex moves into the nuclear pore complex and the importin subunits dissociate. Importin alpha enters 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.
Molecular Weight:	Observed_MW: 124 kDa Calculated_MW: 116 kDa/123 kDa/125 kDa
Gene ID:	3843
UniProt:	000410
Pathways:	Protein targeting to Nucleus
Application Details	
Application Notes:	WB 1:500-1:2000 IF 1:50-1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL

Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

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#### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U2OS cells using IPO5 Polyclonal Antibody

#### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines using IPO5 Polyclonal Antibody at dilution of 1:1000.

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