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Datasheet for ABIN7450360 anti-Importin 11 antibody (AA 925-975)



Overview

Quantity:	100 µg
Target:	Importin 11 (IPO11)
Binding Specificity:	AA 925-975
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Importin 11 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	Rabbit anti-Importin 11/IP011 Antibody, Affinity Purified
Immunogen:	Between AA 925 and 975
Isotype:	lgG
Purification:	Affinity Purified

Target Details

Target:	Importin 11 (IPO11)
Alternative Name:	Importin 11/IP011 (IP011 Products)
Background:	Background: Importin 11 functions in nuclear protein import as nuclear transport receptor. It
	serves as receptor for nuclear localization signals (NLS) in cargo substrates, and is thought to

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	mediate docking of the importin/substrate complex to the nuclear pore complex (NPC) through
	binding to nucleoporin and the complex is subsequently translocated through the pore by an
	energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds
	to the importin, the importin/substrate complex dissociates and importin is re-exported from
	the nucleus to the cytoplasm where GTP hydrolysis releases Ran. The directionality of nuclear
	import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound
	forms of Ran between the cytoplasm and nucleus (By similarity). Importin 11/IPO11 mediates
	the nuclear import of UBE2E3, and of RPL12 (By similarity) [taken from the Universal Protein
	Resource (UniProt) Q9UI26].
Gene ID:	51194
UniProt:	Q9UI26
Pathways:	Protein targeting to Nucleus
Application Details	
Application Notes:	IP: 2 - 10 µg/mg lysate
	WB: 1:2,000 - 1:10,000
Restrictions:	For Research Use only
Handling	
Concentration:	1000 µg/mL
Buffer:	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide
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:	should be handled by trained staff only. 4 °C