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anti-IP07 antibody (N-Term)





Ovarviaw

Overview	
Quantity:	400 μL
Target:	IPO7
Binding Specificity:	AA 142-169, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IPO7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This IPO7 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 142-169 amino acids from the N-terminal region of human IPO7.
Clone:	RB26876
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	IPO7
Alternative Name:	IP07 (IP07 Products)
Background:	The importin-alpha/beta complex and the GTPase Ran mediate nuclear import of proteins with

a classical nuclear localization signal. The protein encoded by this gene is a member of a class of approximately 20 potential Ran targets that share a sequence motif related to the Ranbinding site of importin-beta. Similar to importin-beta, this protein prevents the activation of Ran's GTPase by RanGAP1 and inhibits nucleotide exchange on RanGTP, and also binds directly to nuclear pore complexes where it competes for binding sites with importin-beta and transportin. This protein has a Ran-dependent transport cycle and it can cross the nuclear envelope rapidly and in both directions. At least four importin beta-like transport receptors, namely importin beta itself, transportin, RanBP5 and RanBP7, directly bind and import ribosomal proteins.

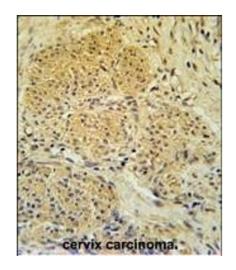
Molecular Weight:	119517
Gene ID:	10527
NCBI Accession:	NP_006382
UniProt:	095373
Pathways:	Protein targeting to Nucleus

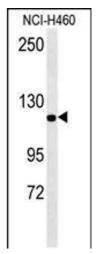
Application Details

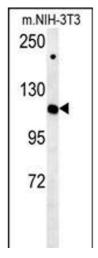
Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months







Immunohistochemistry (Paraffin-embedded Sections)

Image 1. IPO7 Antibody (N-term) (ABIN651626 and ABIN2840333) immunohistochemistry analysis in formalin fixed and paraffin embedded human cervix carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CRABP1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. IPO7 Antibody (N-term) (ABIN651626 and ABIN2840333) western blot analysis in NCI- cell line lysates (35 μ g/lane). This demonstrates the IPO7 antibody detected the IPO7 protein (arrow).

Western Blotting

 $\begin{tabular}{ll} \textbf{Image} & \textbf{3.} & IPO7 & Antibody & (N-term) & (ABIN651626 & and ABIN2840333) & western blot analysis in mouse NIH-3T3 cell line & lysates & (35 $\mu g/lane)$. This demonstrates & the IPO7 antibody detected the IPO7 protein (arrow). \\ \end{tabular}$

Please check the product details page for more images. Overall 4 images are available for ABIN651626.