

Rabbit anti-Human, mouse IPO7 Polyclonal Antibody | anti-IPO7 antibody

IPO7 Antibody (N-term)

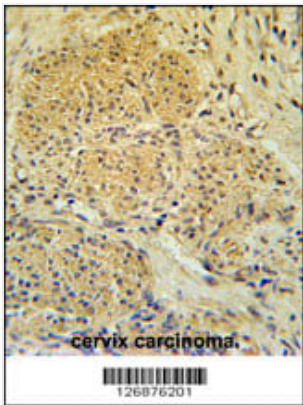
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287043	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

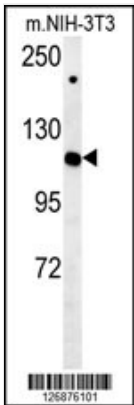
IPO7; Polyclonal Antibody; IPO7 Antibody (N-term); Importin-7; Imp7; Ran-binding protein 7; RanBP7; RANBP7; anti-IPO7 antibody

PRODUCT SPECIFICATIONS

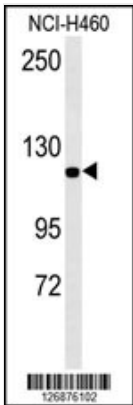
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IPO7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 142-169 amino acids from the N-terminal region of human IPO7.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	142-169
Sequence Length	1,038
Applicable Applications for anti-IPO7 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
IPO7 Antibody (N-term) 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.



WB (Western Blot)
IPO7 Antibody (N-term) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the IPO7 antibody detected the IPO7 protein (arrow).



WB (Western Blot)
IPO7 Antibody (N-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the IPO7 antibody detected the IPO7 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-IPO7 antibody	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 Ran-binding 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.
Product Categories/Family for anti-IPO7 antibody	Signal Transduction

References	Huang, S., et al. Biosci. Rep. 30(3):159-168(2010) Chachami, G., et al. Biochem. Biophys. Res. Commun. 390(2):235-240(2009) Adeyemo, A., et al. PLoS Genet. 5 (7), E1000564 (2009) : Zaitseva, L., et al. Retrovirology 6, 11 (2009) : Yao, X., et al. J. Biol. Chem. 283(33):22867-22874(2008) Olsen, J.V., et al. Cell 127(3):635-648(2006) Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005) Dean, K.A., et al. J. Cell. Sci. 114 (PT 19), 3479-3485 (2001) : Jakel, S., et al. EMBO J. 18(9):2411-2423(1999) Paraskeva, E., et al. J. Cell Biol. 145(2):255-264(1999) Jakel, S., et al. EMBO J. 17(15):4491-4502(1998) Gorlich, D., et al. J. Cell Biol. 138(1):65-80(1997)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453998
NCBI GeneID	10527
NCBI Accession #	NP_006382.1
NCBI GenBank Nucleotide #	NM_006391.2
UniProt Accession #	O95373; Q1RMF7; Q9H177; Q9NTE3; A6NNM5; B2R786
Molecular Weight	119517
NCBI Official Full Name	importin-7
NCBI Official Synonym Full Names	importin 7
NCBI Official Symbol	IPO7
NCBI Official Synonym Symbols	Imp7; RANBP7
NCBI Protein Information	importin-7
UniProt Protein Name	Importin-7
UniProt Gene Name	IPO7
UniProt Synonym Gene Names	RANBP7; Imp7; RanBP7
UniProt Entry Name	IPO7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/ipo7-antibody-immunohistochemistry-western-blot-elisa/287043>