

Rabbit anti-Human, mouse IPO9 Polyclonal Antibody | anti-IPO9 antibody

IPO9 Antibody (N-term)

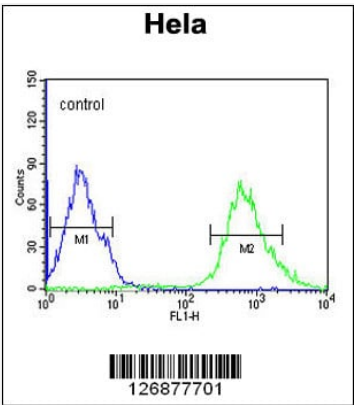
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288738	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

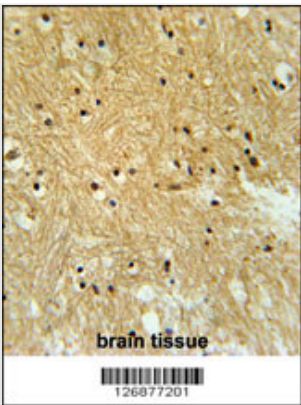
IPO9; Polyclonal Antibody; IPO9 Antibody (N-term); Importin-9; Imp9; Ran-binding protein 9; RanBP9; IMP9; KIAA1192; RANBP9; anti-IPO9 antibody

PRODUCT SPECIFICATIONS

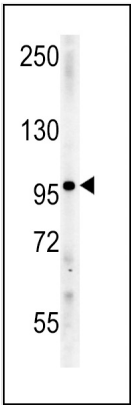
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IPO9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 79-106 amino acids from the N-terminal region of human IPO9.
Purity/Purification	Peptide Affinity Purified Rabbit 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	79-106
Sequence Length	1041
Applicable Applications for anti-IPO9 antibody	FCM/FACS (Flow Cytometry), 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.



FCM/FACS (Flow Cytometry)
IPO9 Antibody (N-term) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
IPO9 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IPO9 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
IPO9 Antibody (N-term) western blot analysis in mouse Neuro-2a cell line lysates (15ug/lane).This demonstrates the IPO9 antibody detected the IPO9 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-IPO9 antibody	Functions in nuclear protein import as nuclear transport receptor. Serves as receptor for nuclear localization signals (NLS) in cargo substrates. Is thought to 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). Mediates the nuclear import of H2B histone (By similarity), RPS7 and RPL18A. Prevents the cytoplasmic aggregation of RPS7 and RPL18A by shielding exposed basic domains. May also import H2A, H3, H4 histones (By similarity), RPL4 and RPL6.
References	King, F.W., et al. Mol. Cell. Biol. 24(16):7091-7101(2004) Lubert, E.J., et al. Biochem. Biophys. Res. Commun. 303(3):908-913(2003) Jakel, S., et al. EMBO J. 21(3):377-386(2002) Muhlhauser, P., et al. EMBO Rep. 2(8):690-696(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361659
NCBI GeneID	55705

NCBI Accession #	NP_060555.2
NCBI GenBank Nucleotide #	NM_018085.4
UniProt Accession #	Q96P70; Q8N1Y1; Q8N3I2; Q8NCG9; Q96SU6; Q9NW01; Q9P0A8; Q9ULM8; B1ASV5
Molecular Weight	115963
NCBI Official Full Name	importin-9
NCBI Official Synonym Full Names	importin 9
NCBI Official Symbol	IPO9
NCBI Official Synonym Symbols	Imp9
NCBI Protein Information	importin-9
UniProt Protein Name	Importin-9
UniProt Gene Name	IPO9
UniProt Synonym Gene Names	IMP9; KIAA1192; RANBP9; Imp9; RanBP9
UniProt Entry Name	IPO9_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ipo9-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288738>