

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

Rabbit anti-IPO9 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213278	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

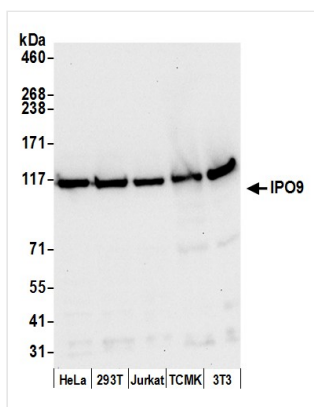
PRODUCT SYNONYMS

IPO9; Polyclonal Antibody; Rabbit anti-IPO9 Antibody; Affinity Purified; importin-9; ran-binding protein 9; Imp9; ranBP9; Importin-9; importin 9; anti-IPO9 antibody

PRODUCT SPECIFICATIONS

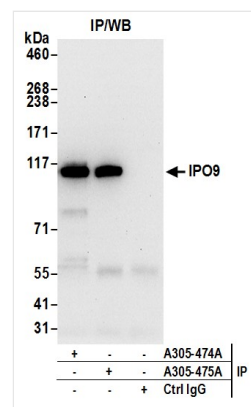
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-IPO9 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 991 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse IPO9 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-IPO9 antibody AAA213278 (lot AAA213278-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human IPO9 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-IPO9 antibody AAA213278 (lot AAA213278-1) used for IP at 6 ug per reaction. IPO9 was also immunoprecipitated by rabbit anti-IPO9 antibody A305-474A. For blotting immunoprecipitated IPO9, AAA213278 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-IPO9 antibody	Importin-9 (IPO9) functions in nuclear protein import as a nuclear transport receptor. IPO9 serves as receptor for nuclear localization signals (NLS) in cargo substrates. It 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). IPO9 mediates the nuclear import of H2B histone (By similarity), RPS7 and RPL18A. It prevents the cytoplasmic aggregation of RPS7 and RPL18A by shielding exposed basic domains. IPO9 may also import H2A, H3, H4 histones (By similarity), RPL4 and RPL6 [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q96P70].
Product Categories/Family for anti-IPO9 antibody	Primary Antibodies

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	115,963 Da
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; ranBP9; ran-binding protein 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-immunoprecipitation-western-blot-elisa/213278>