

Rabbit anti-Human, Mouse IPO5 Polyclonal Antibody | anti-IPO5 antibody

IPO5 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37557	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

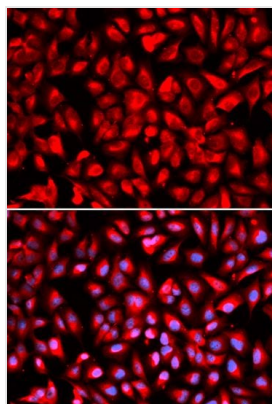
PRODUCT SYNONYMS

IPO5; Polyclonal Antibody; IPO5 Polyclonal Antibody; IMB3; Pse1; imp5; KPNB3; RANBP5; anti-IPO5 antibody

PRODUCT SPECIFICATIONS

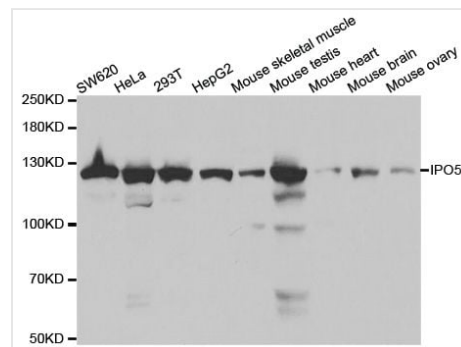
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	1097
Applicable Applications for anti-IPO5 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human IPO5
Calculated Molecular Weight	123kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using IPO5 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using IPO5 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3s.

ADDITIONAL INFORMATION

Related Product Information for anti-IPO5 antibody	Nucleocytoplasmic transport, a signal- and energy-dependent process, takes place through nuclear pore complexes embedded in the nuclear envelope. The import of proteins containing a nuclear localization signal (NLS) requires the NLS import receptor, a heterodimer of importin alpha and beta subunits also known as karyopherins. Importin alpha binds the NLS-containing cargo in the cytoplasm and importin beta docks the complex at the cytoplasmic side of the nuclear pore complex. In the presence of nucleoside triphosphates and the small GTP binding protein Ran, the complex moves into the nuclear pore complex and the importin subunits dissociate. Importin alpha enters the nucleoplasm with its passenger protein and importin beta remains at the pore. Interactions between importin beta and the FG repeats of nucleoporins are essential in translocation through the pore complex. The protein encoded by this gene is a member of the importin beta family.
Product Categories/Family for anti-IPO5 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	4033763
NCBI GeneID	3843
UniProt Accession #	O00410; O15257; Q5T578; Q86XC7; B4DZA0
Molecular Weight	1097
NCBI Official Full Name	Importin-5
NCBI Official Synonym Full Names	importin 5
NCBI Official Symbol	IPO5
NCBI Official Synonym Symbols	IMB3; Pse1; imp5; KPNB3; RANBP5
NCBI Protein Information	importin-5; karyopherin beta-3; RAN binding protein 5; ran-binding protein 5; importin beta-3 subunit; importin subunit beta-3; Ran_GTP binding protein 5; karyopherin (importin) beta 3
UniProt Protein Name	Importin-5
UniProt Gene Name	IPO5
UniProt Synonym Gene Names	KPNB3; RANBP5; Imp5; RanBP5
UniProt Entry Name	IPO5_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://www.aaabiotech.com/polyclonal/ipo5-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/37557>