

Datasheet for ABIN6142507
anti-Importin 9 antibody (AA 827-1041)



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1 Image

Overview

Quantity:	100 µL
Target:	Importin 9 (IPO9)
Binding Specificity:	AA 827-1041
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Importin 9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 827-1041 of human IPO9 (NP_060555.2).
Sequence:	LPGPTGKPAL EFVMAEWTSR QHLFYGQYEG KVSSVALCKL LQHGINADDK RLQDIRVKGE EIYSMDEGIR TRSKSAKNPE RWTNIPLLVK ILKLIINELS NVMEANAARQ ATPAEWSQDD SNDMWEDQEE EEEEEEDGLA GQLLSDILAT SKYEEDYYED DEEDDPDALK DPLYQIDLQA YLTDFLCQFA QQPCYIMFSG HLNDNERRVL QTIGI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	Importin 9 (IPO9)
Alternative Name:	IPO9 (IPO9 Products)
Background:	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. Mediates the nuclear import of RPS7, RPL18A, RPL6, histone H2A, histone H2B and histone. Prevents the cytoplasmic aggregation of RPS7 and RPL18A by shielding exposed basic domains. Mediates the nuclear import of actin (By similarity.,IPO9,Imp9,IPO9
Molecular Weight:	115 kDa
Gene ID:	55705
UniProt:	Q96P70
Pathways:	Protein targeting to Nucleus

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

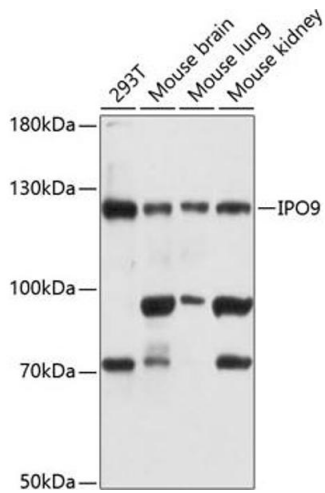
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using IPO9 antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.