

ARG42985 anti-Importin 9 / RanBP9 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Importin 9 / RanBP9
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Importin 9 / RanBP9
Species	Human
Immunogen	Synthetic peptide of Human Importin 9 / RanBP9.
Conjugation	Un-conjugated
Alternate Names	Importin-9; Imp9; RanBP9; Ran-binding protein 9

Application Instructions

Application table	Application	Dilution	
	FACS	1:50	
	ICC/IF	1:50	
	IHC-P	1:20	
	IP	1:20	
	WB	1:1000	
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.		
Positive Control	HeLa		
Observed Size	~ 115 kDa		

Properties

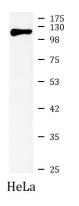
Form	Liquid
Purification	Affinity purified.
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Concentration	Batch dependent

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Bioinformation

Gene Symbol	IPO9
Gene Full Name	importin 9
Function	Functions in nuclear protein import as nuclear transport receptor (PubMed:11823430). Serves as receptor for nuclear localization signals (NLS) in cargo substrates (PubMed:11823430). 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 (PubMed:11823430). 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 (PubMed:11823430). 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 (PubMed:11823430). Mediates the nuclear import of RPS7, RPL18A, RPL6, histone H2A, histone H2B and histone (PubMed:11823430). Prevents the cytoplasmic aggregation of RPS7 and RPL18A by shielding exposed basic domains (PubMed:11823430). Mediates the nuclear import of actin (By similarity). [UniProt]
Calculated Mw	116 kDa
Cellular Localization	Cytoplasm. Nucleus. [UniProt]

Images



ARG42985 anti-Importin 9 / RanBP9 antibody WB image

Western blot: HeLa cell lysate stained with ARG42985 anti-Importin 9 / RanBP9 antibody at 1:1000 dilution.