IPO4 antibody

Product Information

Catalog No.:	FNab04375
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months(Avoid repeated freeze / thaw cycles.)

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(By similarity). Mediates the nuclear import of RPS3A. In vitro, mediates the nuclear import of human cytomegalovirus UL84 by recognizing a non-classical NLS.

Immunogen information

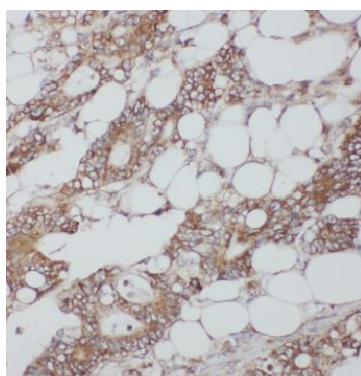|	
Immunogen:	importin 4
Synonyms:	Importin-4 (Imp4)|Importin-4b (Imp4b)|Ran-binding protein 4 (RanBP4)|IPO4|IMP4B|RANBP4
Observed MW:	118 kDa
Uniprot ID :	Q8TEX9

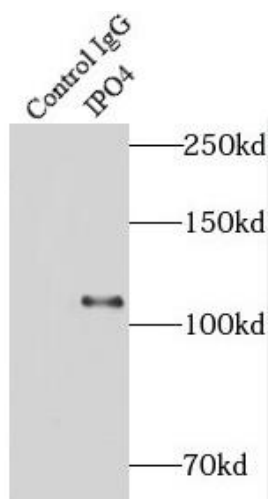## Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB, IHC, IF, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200; IF: 1:20-1:200
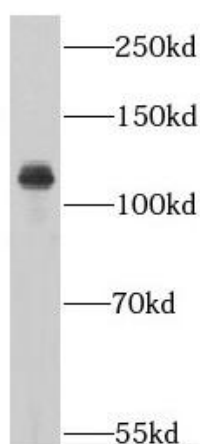
Image:

Immunohistochemistry of paraffin-embedded human colon cancer using FNab04375(IPO4 antibody) at dilution of 1:50

IP result of anti-IPO4(IP:FNab04375, 4ug; Detection:FNab04375 1:2000) with mouse testis tissue lysate 4000 ug

HeLa cells were subjected to SDS PAGE followed by western blot with FNab04375(IPO4 antibody) at dilution of 1:500