

## anti- IPO13 antibody

### Product Information

Catalog No.:	FNab04374
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°C 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 UBC9, the RBM8A/MAGO8 complex, PAX6 and probably other members of the paired homeobox family. Also mediates nuclear export of eIF-1A, and the cytoplasmic release of eIF-1A is triggered by the loading of import substrates onto IPO13.

### Immunogen information

Immunogen:	importin 13
Synonyms:	KIAA0724, RANBP13
Observed MW:	97kd
UniprotID :	O94829

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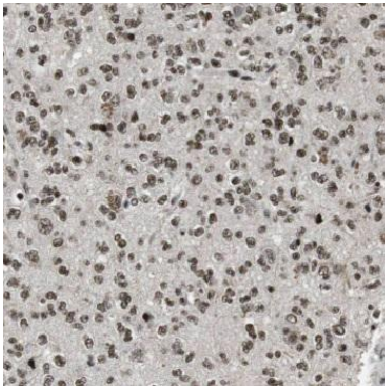
## Application

Reactivity: Human, Mouse, Rat

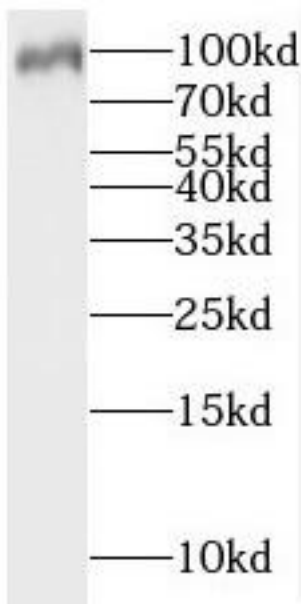
Tested Application: ELISA, WB, IHC, IF

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

Image:



Immunohistochemistry of paraffin-embedded human gliomas using FNab04374(IPO13 antibody) at dilution of 1:50



human brain tissue were subjected to SDS PAGE followed by western blot with FNab04374(IPO13 antibody) at dilution of 1:500

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