

Product datasheet for **TA350093**

Importin4 (IPO4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: A549 cells and human testis tissue IHC: 50-200 Positive control: Human prostate cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human IPO4
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	119 kDa
Gene Name:	importin 4
Database Link:	NP_078934 Entrez Gene 79711 Human Q8TEX9



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Background:

Importin-4 is a protein that in humans is encoded by the IPO4 gene. 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.

Synonyms:

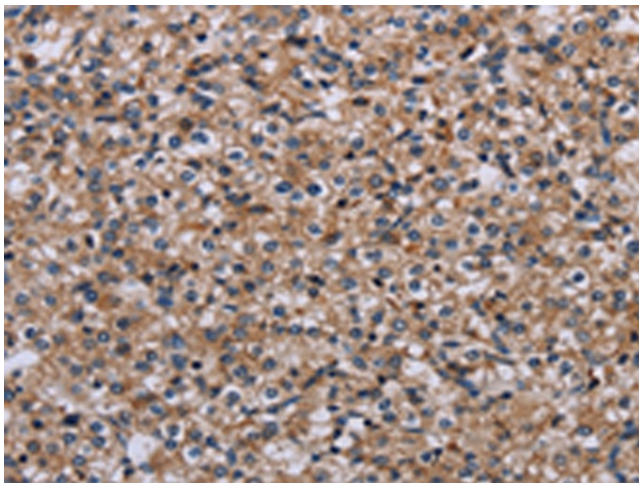
Imp4

Protein Families:

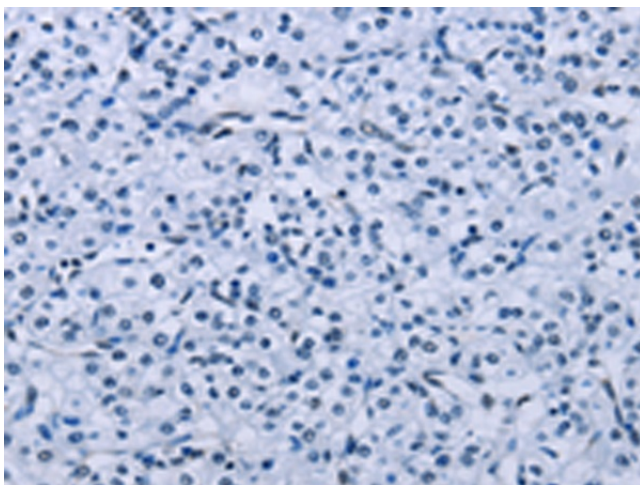
Druggable Genome

Product images:

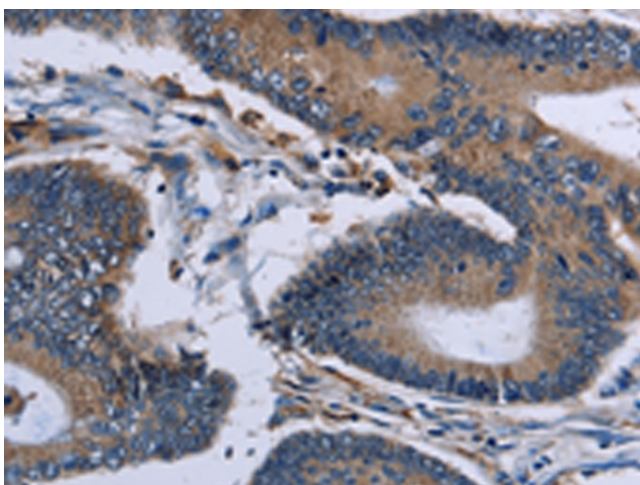
Gel: 6%SDS-PAGE
Lysate: 40 μ g
Lane 1-2: A549 cells
human testis tissue
Primary antibody: TA350093 (IPO4 Antibody) at dilution 1/550
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 40 seconds



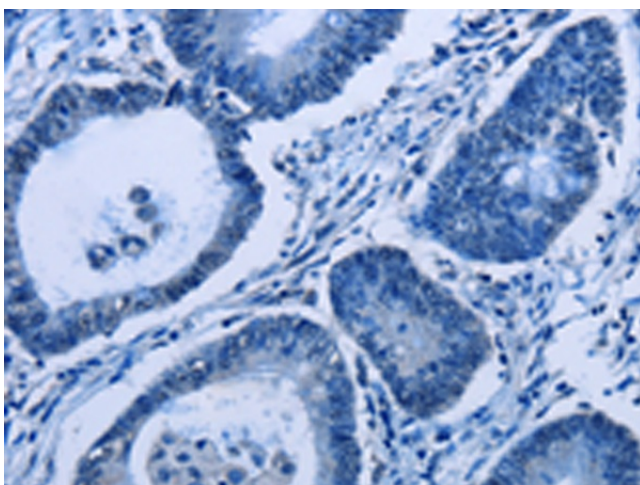
Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA350093 (IPO4 Antibody) at dilution 1/50 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA350093 (IPO4 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA350093 (IPO4 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA350093 (IPO4 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)