

Product datasheet for **TA351295**

Importin 7 (IPO7) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Hela cells IHC: 100-300 Positive control: Human gastric cancer Predicted cell location: Cytoplasm or Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human IPO7
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:	120 kDa
Gene Name:	importin 7
Database Link:	NP_006382 Entrez Gene 233726 Mouse Entrez Gene 10527 Human O95373



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Background:

The importin-alpha/beta complex and the GTPase Ran mediate nuclear import of proteins with a classical nuclear localization signal. The protein encoded by this gene is a member of a class of approximately 20 potential Ran targets that share a sequence motif related to the Ran-binding site of importin-beta. Similar to importin-beta, this protein prevents the activation of Ran's GTPase by RanGAP1 and inhibits nucleotide exchange on RanGTP, and also binds directly to nuclear pore complexes where it competes for binding sites with importin-beta and transportin. This protein has a Ran-dependent transport cycle and it can cross the nuclear envelope rapidly and in both directions. At least four importin beta-like transport receptors, namely importin beta itself, transportin, RanBP5 and RanBP7, directly bind and import ribosomal proteins.

Synonyms:

Imp7; RANBP7

Protein Families:

Druggable Genome

Product images:

Gel: 6%SDS-PAGE

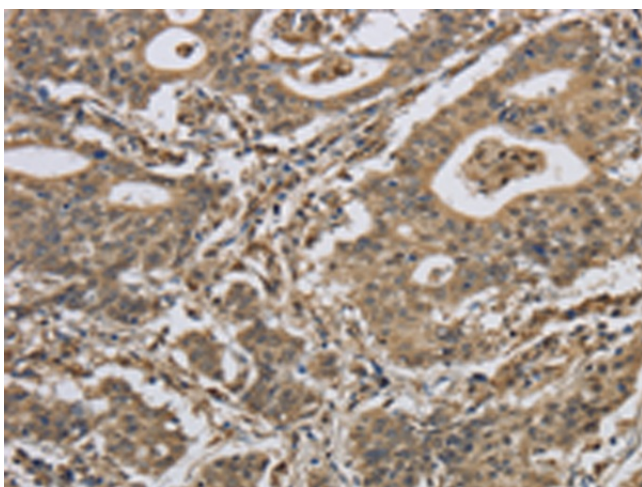
Lysate: 40 µg

Lane: HeLa cells

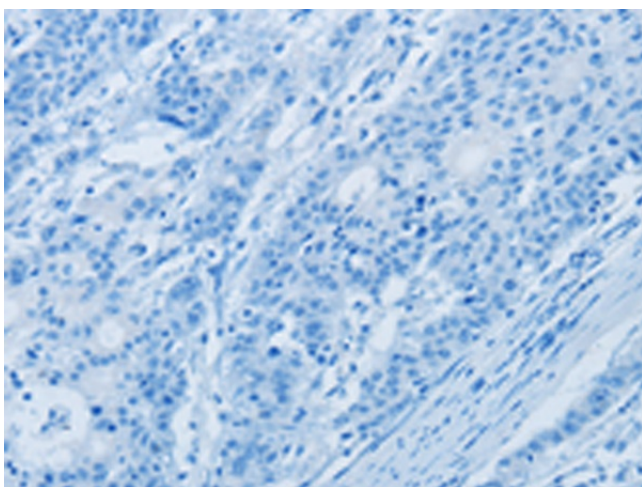
Primary antibody: TA351295 (IPO7 Antibody) at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

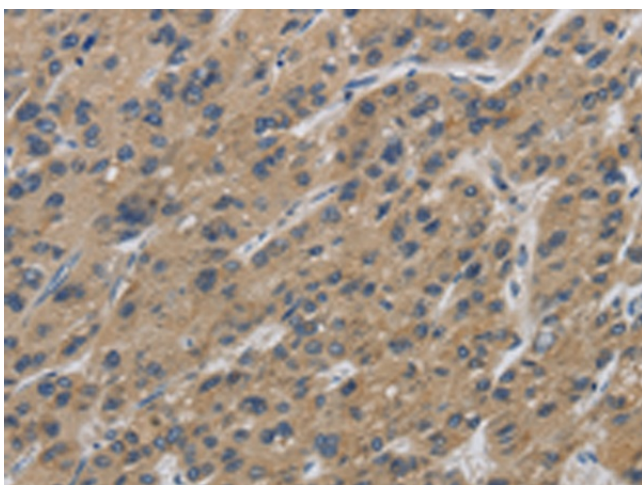
Exposure time: 3 minutes



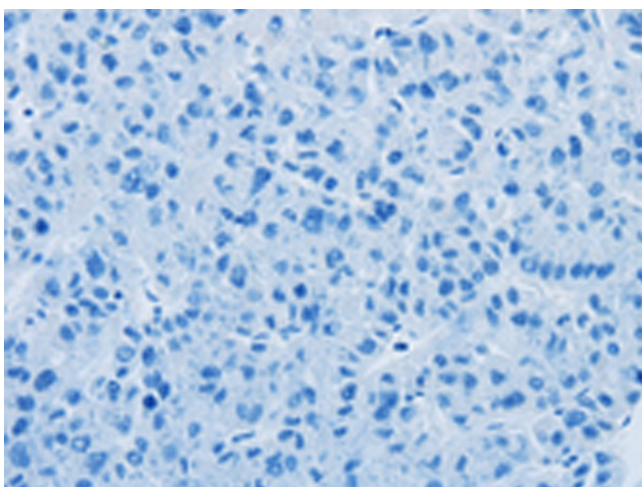
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA351295 (IPO7 Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA351295 (IPO7 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA351295 (IPO7 Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA351295 (IPO7 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: $\times 200$)