IPO7 Polyclonal Antibody

Catalog No. E-AB-13336

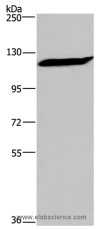
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

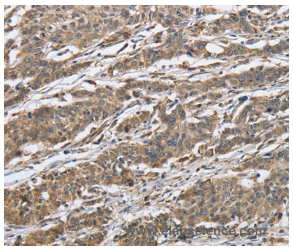
Reactivity	Human,Mouse
Immunogen	Synthetic peptide of human IPO7
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:300

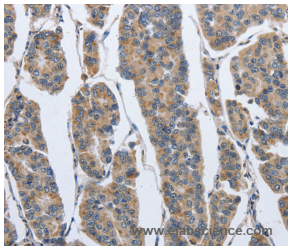
Data



Western Blot analysis of Hela cell using IPO7 Polyclonal Antibody at dilution of 1:300
Calculated Mw:120kDa



Immunohistochemistry of paraffin-embedded Human gastic cancer using IPO7 Polyclonal Antibody at dilution of 1:40



Immunohistochemistry of paraffin-embedded Human breast cancer using IPO7 Polyclonal Antibody at dilution of 1:40

Preparation & Storage

Storage Store at -20℃. Avoid freeze / thaw cycles.

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.

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