KPNA4 Recombinant antibody, PBS Only

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Catalog Number:82898-2-PBS

Basic Information

Catalog Number:	82898-2-PBS
Size:	1mg/ml
Source:	Rabbit
Isotype:	IgG
Immunogen Catalog Number:	AG3133

GenBank Accession Number:	BC034493
GeneID (NCBI):	3840
UNIPROT ID:	O00629
Full Name:	karyopherin alpha 4 (importin alpha 3)
Calculated MW:	521 aa, 58 kDa
Observed MW:	58 kDa

Purification Method:	Protein A purification
CloneNo.:	230098H1

Applications

Tested Applications:
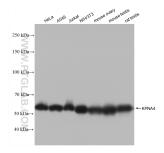WB, IF, Indirect ELISA
Species Specificity:
Human, mouse, rat

Background Information

KPNA4, also named importin subunit alpha-3, karyopherin-alpha4, is a cytoplasmic protein that recognizes nuclear localization signals (NLSs) and dock NLS-containing proteins to the nuclear pore complex. Nuclear import, mediated in part by karyopherin-α (KPNA)/importin-α subtypes, regulates transcription factor access to the genome and determines cell fate. KPNA4-mediated nuclear transport of Ras-responsive element-binding protein (RREB1), which sustains Ras/ERK pathway signaling through repressing miR-143/145 expression (PMID: 31822798). KPNA4 is one of the main isoforms that is activated in many human cancers. KPNA4 expression was elevated in head and neck of squamous cell carcinoma (PMID: 33188837).
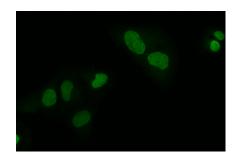
Storage

Storage:
Store at -80℃.
Storage Buffer:
PBS Only

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 82898-2-RR (KPNA4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82898-2-PBS in a different storage buffer formulation.

Immunofluorescent analysis of (4% PFA) fixed U2OS cells using KPNA4 antibody (82898-2-RR, Clone: 230098H1) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 82898-2-PBS in a different storage buffer formulation.