

KPNA6 mouse monoclonal antibody (hybridoma)

Catalog # H00023633-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant KPNA6.
Immunogen	KPNA6 (NP_036448.1, 1 a.a. ~ 536 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	METMASPGKDNRYRMKSYKNNALNPEEMRRRREEEGIQLRKQKREQQLFKRRNVELINEEAAMFD SLLMDSYVSSTTGESVITREMVEMLFSDDSLQLATTQKFRKLLSKEPSPPIDEVINTPRVVDRFV EFLKRNENCTLQFEAAWALTNASGTSQQTKVIEAGAVPIFIELLNDFEDVQEQAVALGNIAGD SSVCRDYVLNCSILNPLLTLTKSTRLTMTRNAVWALSNLRCGKNPPPEFAKVSPCLPVLSRLLFS SDSDLLADACWALSYS DGPNEKIQAVIDSGVCRRLLVELLMHNDYKVASPALRAVGNVTGDDIQT QVILNCSALPCLLHLLSSPKESIRKEACWTISNITAGNRAQIQAVIDANIFPVLIEILQKAEFRTRKEAA WAITNATSGGTPEQIRYLVSLGCIKPLCDLLTVMDSKIVQVALNGLENILRLGEQEGKRSGSGVNPY CGLIEEAYGLDKIEFLQSHENQEIQKAFDLIEHYFGVEDDDSSLAPQVDETQQQFIFQQPEAPME GFQL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — KPNA6

Entrez GeneID [23633](#)

GeneBank Accession# [NM_012316.3](#)

Protein Accession# [NP_036448.1](#)

Gene Name KPNA6

Gene Alias FLJ11249, IPOA7, KPNA7, MGC17918

Gene Description karyopherin alpha 6 (importin alpha 7)

Omim ID [610563](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Nucleocytoplasmic transport, a signal- and energy-dependent process, takes place through nuclear pore complexes embedded in the nuclear envelope. The import of proteins containing a nuclear localization signal (NLS) requires the NLS import receptor, a heterodimer of importin alpha and beta subunits also known as karyopherins. Importin alpha binds the NLS-containing cargo in the cytoplasm and importin beta docks the complex at the cytoplasmic side of the nuclear pore complex. In the presence of nucleoside triphosphates and the small GTP binding protein Ran, the complex moves into the nuclear pore complex and the importin subunits dissociate. Importin alpha enters the nucleoplasm with its passenger protein and importin beta remains at the pore. The protein encoded by this gene is a member of the importin alpha family. [provided by RefSeq]

Other Designations OTTHUMP00000004532|importin alpha 7 subunit|importin-alpha-S2|karyopherin alpha 6