

IPO4 Monoclonal antibody

Catalog Number: 67549-1-Ig

Basic Information

Catalog Number:

67549-1-Ig

Size:

933 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG2281

GenBank Accession Number:

BC003690

GeneID (NCBI):

79711

UNIPROT ID:

Q8TEX9

Full Name:

importin 4

Calculated MW:

1081 aa, 118 kDa

Observed MW:

120 kDa

Purification Method:

Protein A purification

CloneNo.:

2F3H2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:250-1:1000

IF/ICC 1:200-1:800

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Species Specificity:

Human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: A549 cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HL-60 cells, THP-1 cells

IHC: human stomach cancer tissue,

IF/ICC: MCF-7 cells,

Background Information

Importin - 4 (IPO4) belongs to the importin β family which directs the cargo to pass through the nuclear pore complex via transient interaction with nucleoporins. IPO4 is responsible for transporting histones H3 and H4 into the nucleus for chromatin assembly. Recently IPO4 has been reported to contribute to gastric cancer progression and poor prognosis.

Storage

Storage:

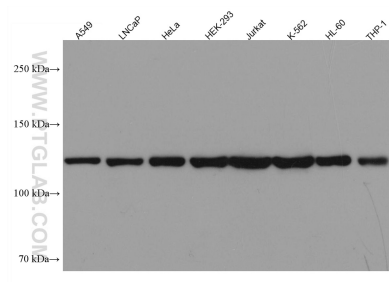
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

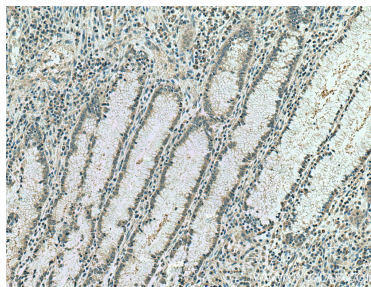
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

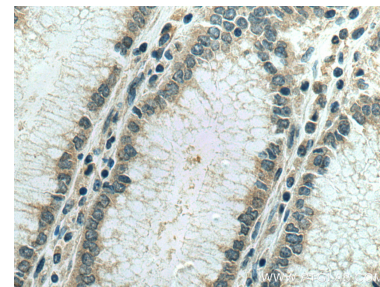
Selected Validation Data



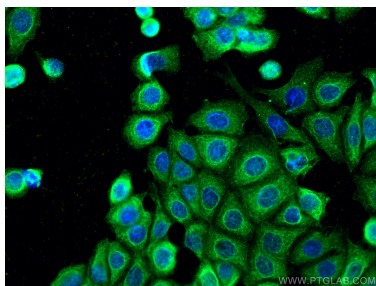
Various lysates were subjected to SDS PAGE followed by western blot with 67549-1-Ig (IPO4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 67549-1-Ig (IPO4 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 67549-1-Ig (IPO4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using IPO4 antibody (67549-1-Ig, Clone: 2F3H2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).