

CoraLite®594-conjugated Importin Alpha 5 Monoclonal antibody

Catalog Number: **CL594-67897**

Basic Information

Catalog Number:

CL594-67897

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG12751

GenBank Accession Number:

BC002374

GeneID (NCBI):

3836

UNIPROT ID:

P52294

Full Name:

karyopherin alpha 1 (importin alpha 5)

Calculated MW:

60 kDa

Observed MW:

60-62 kDa

Purification Method:

Protein A purification

CloneNo.:

2A7G7

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

Importins (alpha and beta) are transport factors that transport proteins into the nucleus. alpha importins function by binding transcription factors at nuclear localization sequences (NLS), and associating with importin beta subunits to translocate through the nuclear pore. Six isoforms of alpha importins have been described in human. Importin alpha 5 is the predominant importin in adult CNS and is essential for differentiation and viability of neural cells.

Storage

Storage:

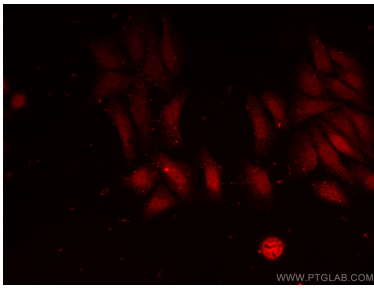
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 Importin Alpha 5 antibody (CL594-67897, Clone: 2A7G7) at dilution of 1:200.