CAPRIN1 Monoclonal antibody, PBS Only

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Catalog Number:66352-1-PBS

Basic Information

Catalog Number:
66352-1-PBS

Size:
1 mg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG7413

GenBank Accession Number:
BC001731

GeneID (NCBI):
4076

UNIPROT ID:
Q14444

Full Name:
cell cycle associated protein 1

Calculated MW:
78 kDa

Observed MW:
116 kDa

Purification Method:
Protein A purification

CloneNo.:
6B10F11

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

CAPRIN1(Caprin-1) is a cytoplasmic phosphoprotein which may regulate the transport and translation of mRNAs of proteins involved in synaptic plasticity in neurons and cell proliferation and migration in multiple cell types. Its levels, except in the brain, are tightly correlated with cellular proliferation. Suppression of expression of human Caprin-1 resulted in slowing of the proliferation rate,which suggests its essential for normal cellular proliferation.

Storage

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

# Selected Validation Data
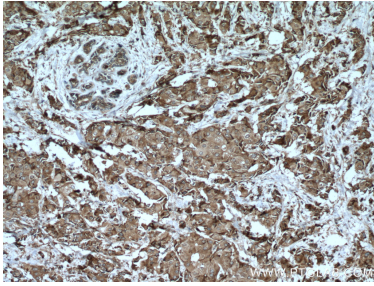
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66352-1-Ig (CAPRIN1 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66352-1-PBS in a different storage buffer formulation.
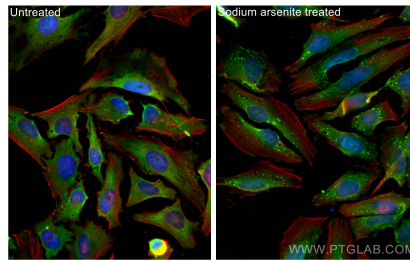
Immunofluorescent analysis of (4% PFA) fixed sodium arsenite treated HeLa cells using CAPRIN1 antibody (66352-1-Ig, Clone: 6B10F11) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66352-1-PBS in a different storage buffer formulation.
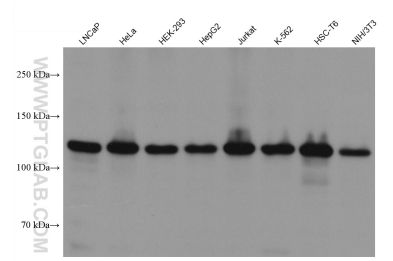
Various lysates were subjected to SDS PAGE followed by western blot with 66352-1-Ig (CAPRIN1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66352-1-PBS in a different storage buffer formulation.