For Research Use Only

EIF6 Monoclonal antibody

Catalog Number:68765-3-Ig

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Basic Information

Catalog Number:
68765-3-Ig

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG30249

GenBank Accession Number:
BC001119

GeneID (NCBI):
3692

UNIPROT ID:
P56537

Full Name:
eukaryotic translation initiation factor 6

Calculated MW:
27 kDa

Observed MW:
27 kDa

Purification Method:
Protein A purification

CloneNo.:
1F2A8

Recommended Dilutions:
WB 1:5000-1:50000
IF/ICC 1:400-1:1600

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : A549 cells, HeLa cells, HEK-293 cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

IF/ICC : HeLa cells,

Background Information

p27(BBP/eIF6) is an evolutionarily conserved protein that was originally identified as p27(BBP), it functions as an interactor of the cytoplasmic domain of integrin 4 and as the putative translation initiation factor eIF6. p27BBP is found in two pools: one nuclear pool enriched in the perinucleolar region, and one cytoplasmic pool. p27BBP binds to the fibronectin type III domains of integrin 4 subunit (ITGB4), an important functional component of hemidesmosomes, and help link ITGB4 to the intermediate filament cytoskeleton. In vitro and in vivo studies demonstrated that p27BBP is essential for cell viability and has a primary function in the biogenesis of the 60S ribosomal subunit. p27BBP protein is increased in rapidly cycling cells and decreased in villous cells committed to apoptotic cell death. In dysplastic colorectal adenomas and carcinomas, p27BBP displayed a large increase of its nucleolar component and was associated with the nuclear matrix. In particular, p27BBP increased progressively from adenomas to carcinomas and was related to the tumor stage.

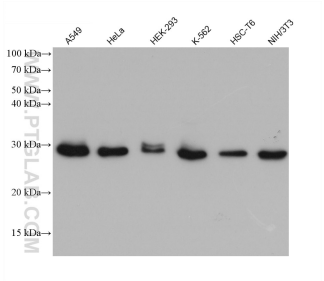
Storage

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

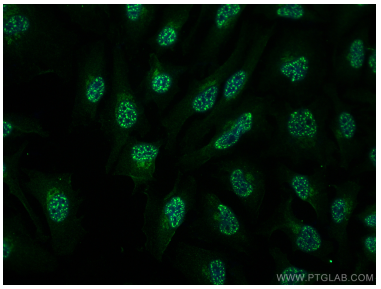
***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68765-3-Ig (EIF6 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using EIF6 antibody (68765-3-Ig, Clone: 1F2A8) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).