

EMG1 Polyclonal Antibody

Catalog number: 11965-1-AP

Size: 20 µg/150 µl

Source: Rabbit

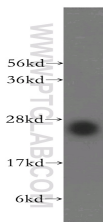
Isotype: IgG

Synonyms:

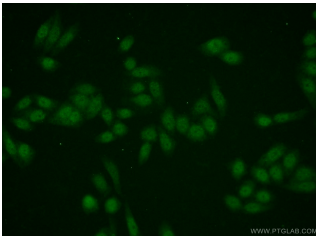
EMG1; C2F, EMG1, FLJ60792,

Grc2f, NEP1, Nucleolar protein

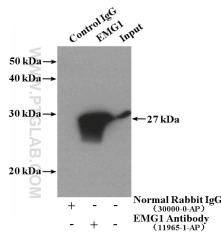
EMG1 homolog, Protein C2f



HeLa cells were subjected to SDS PAGE followed by western blot with 11965-1-AP (EMG1 antibody) at dilution of 1:400



Immunofluorescent analysis of HeLa cells using 11965-1-AP (EMG1 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IP Result of anti-EMG1 (IP:11965-1-AP, 4µg; Detection:11965-1-AP 1:400) with HeLa cells lysate 1080µg.

Background

EMG1, also named as NEP1, is a highly conserved protein initially identified as “Essential for Mitotic Growth” in yeast. EMG1 is required for maturation of the 18S rRNA and biogenesis of the 40S ribosomal subunit. EMG1 is the methyltransferase in the biosynthesis of m1acp3-Psi in eukaryotic 18S rRNAs. It has an essential role in 40S ribosomal subunit biogenesis independent on its methyltransferase activity. A mutation in human EMG1 gene causes Bowen-Conradi syndrome (BCS), an autosomal recessive disorder characterized by severely impaired prenatal and postnatal growth, profound psychomotor retardation, and death in early childhood.

Applications

Tested applications:	ELISA, WB, IF, IP
Cited applications:	IF
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated EMG1 MW:	244aa, 27 kDa
Observed EMG1 MW:	27 kDa
Positive WB detected in:	HeLa cells, HEK-293 cells, PC-3 cells
Positive IP detected in:	HeLa cells
Positive IF detected in:	HeLa cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:1000 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2575
GenBank accession number:	BC055314
Gene ID (NCBI):	10436
Full name:	EMG1 nucleolar protein homolog (S. cerevisiae)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.