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Anti-RPS18 Antibody

Catalog # AP51705

Product Information

Application	WB, IF/IC
Primary Accession	P62269
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17719

Additional Information

Gene ID	6222
Other Names	D6S218E; 40S ribosomal protein S18; Ke-3; Ke3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RPS18. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

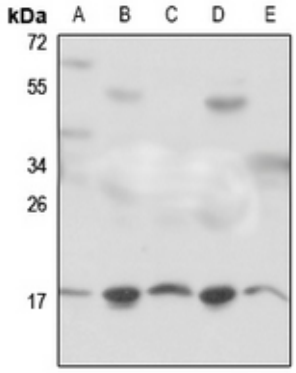
Name	RPS18
Synonyms	D6S218E
Function	Component of the small ribosomal subunit. The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell.
Cellular Location	Cytoplasm.

References

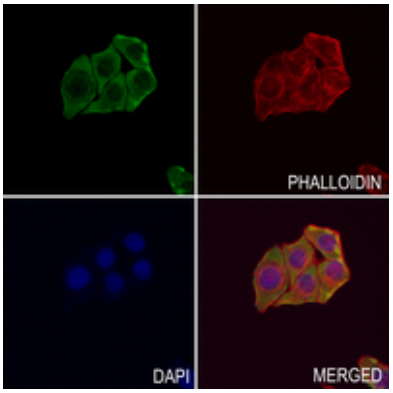
Chassin D.,et al.Nucleic Acids Res. 21:745-745(1993).
Mungall A.J.,et al.Nature 425:805-811(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Bienvenut W.V.,et al.Submitted (NOV-2006) to UniProtKB.

Vladimirov S.N.,et al.Eur. J. Biochem. 239:144-149(1996).

Images



Western blot analysis of RPS18 expression in HGC27 (A), mouse liver (B), mouse lung (C), rat liver (D), rat lung (E) whole cell lysates. (Predicted band size: 17 kD; Observed band size: 18 kD)



Immunofluorescent analysis of RPS18 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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