

Ribosomal Protein L26 Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H M R Mk	Endogenous	17	Rabbit	#P61254	6154

Product Usage Information

Application

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

Ribosomal Protein L26 Antibody detects endogenous levels of total ribosomal protein L26.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys41 of human ribosomal protein L26. Antibodies are purified by protein A and peptide affinity chromatography.

Background

Ribosomal protein L26 (RPL26) is a component of the 60S ribosomal subunit and is involved in translation (1,2). It was shown that RPL26 increases the translation of p53 mRNA by binding to its 5' untranslated region (UTR) after DNA damage. Studies found that overexpression of RPL26 enhances the binding of p53 mRNA to the ribosomes and increases p53 translation. Overexpression of RPL26 also induces cell-cycle arrest at G1 phase and increases radiation-stimulated apoptosis (2).

Background References

1. Odintsova, T.I. et al. (2003) *J Protein Chem* 22, 249-58.
2. Takagi, M. et al. (2005) *Cell* 123, 49-63.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Mk:** Monkey

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