

#5400 Store at -20C**Ribosomal Protein L26 (D8F6)
Rabbit mAb****Cell Signaling**
TECHNOLOGY®**Orders:** 877-616-CELL (2355)
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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:
WB	H M R Mk	Endogenous	17	Rabbit IgG	#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, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	Ribosomal Protein L26 (D8F6) Rabbit mAb detects endogenous levels of total ribosomal protein L26.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu38 of human ribosomal protein L26.	
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) <i>J Protein Chem</i> 22, 249-58. 2. Takagi, M. et al. (2005) <i>Cell</i> 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	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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