Product Name: **KD-Validated MRPS26 Recombinant Rabbit Monoclonal Antibody**
Catalog #: **KVAb00367**
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 24.2kDa

Antigen Information

Gene Name	MRPS26
Alternative Names	MRPS26; Mitochondrial Ribosomal Protein S26; MRP-S13; MRP-S26; RPMS13; DJ534B8.3; C20orf193; MS26; 28S Ribosomal Protein S13, Mitochondrial; 28S Ribosomal Protein S26, Mitochondrial; Small Ribosomal Subunit Protein MS26; S13mt; S26mt; Serologically Defined Breast Cancer Antigen NY-BR-87; Mitochondrial Small Ribosomal Subunit Protein MS26; Chromosome 20 Open Reading Frame 193; NY-BR-87; MRPS13; GI008
Gene ID	64949.0
SwissProt ID	Q9BYN8
Immunogen	Recombinant protein of human MRPS26

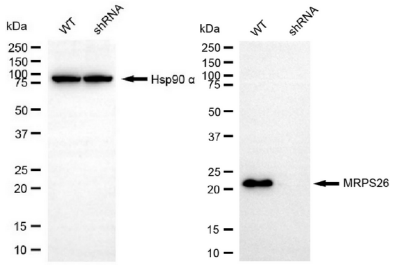
Background

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein. This gene lies adjacent to and downstream of the gonadotropin-releasing hormone precursor gene. [provided by RefSeq, Jul 2008]

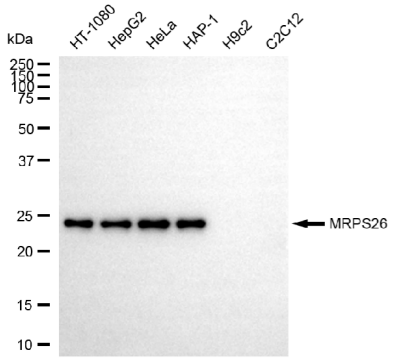
Research Area

Tags & Cell Markers,Epigenetics and Nuclear Signaling,Metabolism

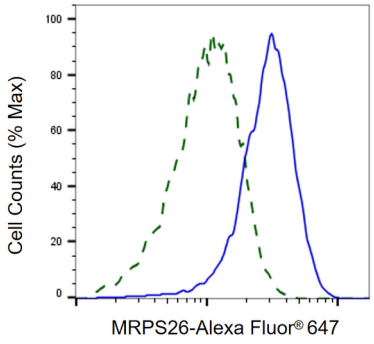
Image Data



Western blotting analysis using MRPS26 antibody (KVAb00367). MRPS26 expression in wild-type (WT) and MRPS26 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with MRPS26 antibody (KVAb00367, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using MRPS26 antibody (KVAb00367). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MRPS26 antibody (KVAb00367, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of MRPS26 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with MRPS26 antibody (KVAb00367, 1:2,000) and analyzed using BD flow cytometer.