

# GRSF1 Rabbit mAb

Catalog # AP76518

## Product Information

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Application	WB, ICC
Primary Accession	<a href="#">Q12849</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	53126

## Additional Information

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Gene ID	2926
Other Names	GRSF1
Dilution	WB~~1/500-1/1000 ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

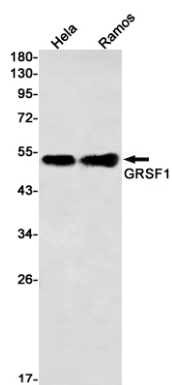
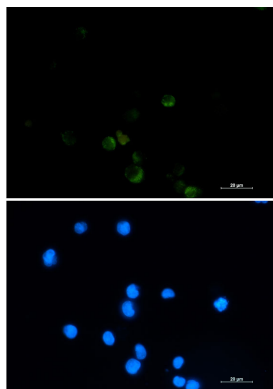
## Protein Information

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Name	GRSF1
Function	Regulator of post-transcriptional mitochondrial gene expression, required for assembly of the mitochondrial ribosome and for recruitment of mRNA and lncRNA. Binds RNAs containing the 14 base G- rich element. Preferentially binds RNAs transcribed from three contiguous genes on the light strand of mtDNA, the ND6 mRNA, and the long non-coding RNAs for MT-CYB and MT-ND5, each of which contains multiple consensus binding sequences (PubMed: <a href="#">23473033</a> , PubMed: <a href="#">23473034</a> , PubMed: <a href="#">29967381</a> ). Involved in the degradosome-mediated decay of non- coding mitochondrial transcripts (MT-ncRNA) and tRNA-like molecules (PubMed: <a href="#">29967381</a> ). Acts by unwinding G-quadruplex RNA structures in MT- ncRNA, thus facilitating their degradation by the degradosome (PubMed: <a href="#">29967381</a> ). G-quadruplexes (G4) are non-canonical 4 stranded structures formed by transcripts from the light strand of mtDNA (PubMed: <a href="#">29967381</a> ).
Cellular Location	[Isoform 1]: Mitochondrion matrix Note=Localizes to mitochondrial RNA granules found in close proximity to the mitochondrial nucleoids.

## Images

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.