

**FRG1 Antibody**  
**Rabbit mAb**  
**Catalog # AP93217****Specification**

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**FRG1 Antibody - Product Information**

Application	WB, ICC
Primary Accession	<a href="#">Q14331</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
frg1; FRG1A; FSG1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	29172 Da

**FRG1 Antibody - Additional Information**

Dilution	WB~~1:1000 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human FRG1
Description	May have a role in processing of pre-rRNA or in the assembly of rRNA into ribosomal subunits. May be involved in pre-mRNA splicing.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**FRG1 Antibody - Protein Information****Name** FRG1 ([HGNC:3954](#))**Function**

Binds to mRNA in a sequence-independent manner. May play a role in regulation of pre-mRNA splicing or in the assembly of rRNA into ribosomal subunits. May be involved in mRNA transport. May be involved in epigenetic regulation of muscle differentiation through regulation of activity of the histone-lysine N-methyltransferase KMT5B.

**Cellular Location**

Nucleus, Cajal body. Nucleus, nucleolus. Cytoplasm. Cytoplasm, myofibril, sarcomere, Z line. Note=Localization changes during myogenesis from mainly cytoplasmic in undifferentiated myoblasts, to strongly nucleolar in early myotubes and back to cytoplasmic 5 days post-differentiation (PubMed:20970242). Localized at the Z-line in the sarcomere of matured

myotubes 8 days post-differentiation (PubMed:20970242).

**Tissue Location**

Expressed in adult muscle, lymphocytes, fetal brain, muscle, and placenta. Also expressed in the smooth muscle of arteries and veins, the sweat glands and the epidermis

**FRG1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**FRG1 Antibody - Images**