

FRG1 Antibody

Rabbit mAb

Catalog # AP93217

Product Information

Application WB, IF, ICC
Primary Accession [Q14331](#)
Reactivity Rat, Human, Mouse
Clonality Monoclonal
Other Names frg1; FRG1A; FSG1;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 29172

Additional Information

Dilution WB 1:500~1:2000 ICC/IF 1:50~1:200
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.

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

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