

Frg1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13677**Specification**

Frg1 antibody - middle region - Product Information

Application	WB
Primary Accession	P97376
Other Accession	NM_013522 , NP_038550
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Chicken, Goat, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28kDa KDa

Frg1 antibody - middle region - Additional Information**Gene ID** 14300**Other Names**

Protein FRG1, FSHD region gene 1 protein, Frg1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Frg1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Frg1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Frg1 antibody - middle region - Protein Information**Name** Frg1**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 {ECO:0000250|UniProtKB:Q14331}. Nucleus, nucleolus. Cytoplasm. Cytoplasm, myofibril, sarcomere, Z line. Note=Localization changes during myogenesis from

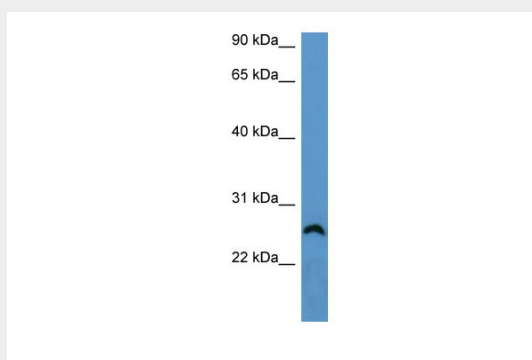
mainly cytoplasmic in undifferentiated myoblasts, to strongly nucleolar in early myotubes and back to cytoplasmic 5 days post-differentiation. Localized at the Z-line in the sarcomere of matured myotubes 8 days post-differentiation

Frg1 antibody - middle region - 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 - middle region - Images



WB Suggested Anti-Frg1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: Mouse Brain

Frg1 antibody - middle region - References

- Grewal P.K., et al. Gene 216:13-19(1998).
Carninci P., et al. Science 309:1559-1563(2005).
Gabellini D., et al. Nature 439:973-977(2006).
Hanel M.L., et al. Differentiation 81:107-118(2011).
Neguembor M.V., et al. J. Mol. Cell Biol. 5:294-307(2013).