

Frg1 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI13677

Product Information

Application	WB
Primary Accession	P97376
Other Accession	NM_013522 , NP_038550
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine
Predicted Host	Human, Mouse, Rat, Chicken, Goat, Dog, Guinea Pig, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 29127

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.

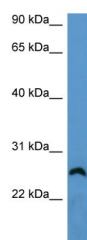
Protein Information

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

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).

Images



WB Suggested Anti-Frg1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Mouse Brain

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