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[Primary Antibody]

Rabbit Anti-C7orf30 antibody

Catalog Number: SL15263R

FOR RESEARCH USE ONLY

[DATASHEET]

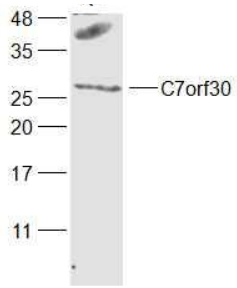
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	C7orf30
Immunogen:	KLH conjugated synthetic peptide derived from human C7orf30: 101-200/234
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, (predicted: Human, Rat, Dog, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	26kDa
Subcellular Location:	cytoplasmic Mitochondrion
Background:	Chromosome 7 has been linked to Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfort and friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders including cases of acute myelogenous leukemia and myelodysplasia. The C7orf30 gene product has been provisionally designated C7orf30 pending further characterization. **Function:** May function as a ribosomal silencing factor. Addition to isolated mitochondrial ribosomal subunits partially inhibits translation. Interacts with mitochondrial ribosomal protein L14 (MRPL14), probably blocking formation

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

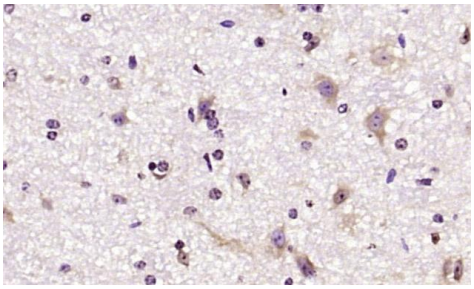
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	of intersubunit bridge B8, preventing association of the 28S and 39S ribosomal subunits and the formation of functional ribosomes, thus repressing translation. May also participate in the assembly and/or regulation of the stability of the large subunit of the mitochondrial ribosome. **Subunit:** Associates with the mitochondrial ribosome large subunit (39S). Interacts with MRPL12 and MRPL14. **Subcellular Location:** Mitochondrion matrix. Note=Colocalizes with MRPL12 (PubMed:22238375) and/or MRPL14 (PubMed:22829778). **Similarity:** Belongs to the Iojap/RsfS family. **Database links:** **Entrez Gene:** 115416 Human **SwissProt:** Q96EH3 Human **Unigene:** 87385 Human

[VALIDATION IMAGES]



Sample:
Muscle (Mouse) Lysate at 40 ug
Primary: Anti-C7orf30 (SL15263R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 26 kD
Observed band size: 26 kD



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (C7orf30) Polyclonal Antibody, Unconjugated (SL15263R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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