

C7orf30 Rabbit pAb

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Catalog # AP55908

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96EH3
Reactivity	Mouse
Predicted	Rat, Dog, Human, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26170
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C7orf30
Epitope Specificity	101-200/234
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion matrix. Note=Colocalizes with MRPL12 (PubMed:22238375) and/or MRPL14 (PubMed:22829778).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	115416
Other Names	Mitochondrial assembly of ribosomal large subunit protein 1, MALSU1, C7orf30
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

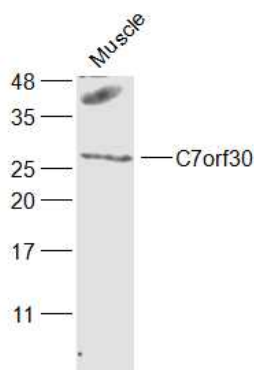
Protein Information

Name	MALSU1
Synonyms	C7orf30
Function	Required for normal mitochondrial ribosome function and mitochondrial translation (PubMed: 22238375 , PubMed: 23171548). May play a role in ribosome biogenesis by preventing premature association of the 28S and 39S ribosomal subunits (Probable). Interacts with mitochondrial ribosomal protein uL14m (MRPL14), probably blocking formation of intersubunit bridge B8, preventing association of the 28S and 39S ribosomal subunits (Probable). Addition to isolated mitochondrial ribosomal subunits partially inhibits translation, probably by interfering with the association of the 28S and 39S ribosomal subunits and the formation of functional ribosomes (Probable). May also participate in the assembly and/or regulation of the stability of the large subunit of the mitochondrial ribosome (PubMed: 22238376 , PubMed: 23171548). May function as a ribosomal silencing factor (Probable).
Cellular Location	Mitochondrion matrix Note=Colocalizes with MRPL12 and/or MRPL14

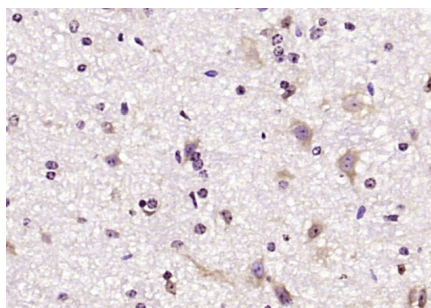
Background

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Images



Sample:
Muscle (Mouse) Lysate at 40 ug
Primary: Anti-C7orf30 (AP55908) 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 (AP55908) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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