

Anti-RNF166 Antibody (Center)

Catalog Number: A15709-1

About RNF166

Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 2 (heart/muscle isoform) of subunit VIa, and polypeptide 2 is present only in striated muscles. Polypeptide 1 (liver isoform) of subunit VIa is encoded by a different gene, and is found in all non-muscle tissues. These two polypeptides share 66% amino acid sequence identity.

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Overview

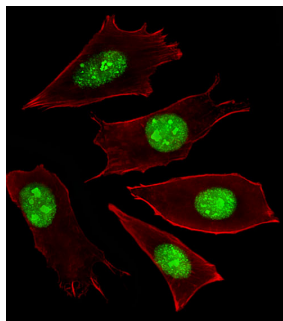
Product Name	Anti-RNF166 Antibody (Center)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-RNF166 Antibody (Center) (Catalog # A15709-1). Tested in IF, WB application(s). This antibody reacts with Human, Mouse.
Application	IF, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q96A37

Technical Details

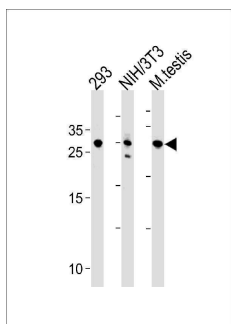
Immunogen	This RNF166 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-97 amino acids from the Central region of human RNF166.
Predicted Reactive Species	Rat

Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	IF: 1:25 WB: 1:1000

Anti-RNF166 Antibody (Center) (A15709-1) Images



Fluorescent image of NIH/3T3 cells stained with RNF166 Antibody (Center). A15709-1 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



RNF166 Antibody (Center) western blot analysis in 293, mouse NIH/3T3 cell line and testis tissue lysates (35ug/lane). This demonstrates the RNF166 antibody detected the RNF166 protein (arrow).

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