

C12orf72 Rabbit pAb

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Catalog # AP56957

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IXQ9
Reactivity	Rat
Predicted	Dog, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29461
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C12orf72
Epitope Specificity	61-160/262
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	Cytoplasm
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	GTPase-activating proteins (GAPs) accelerate the intrinsic rate of GTP hydrolysis of Ras-related proteins, resulting in downregulation of their active form. ARHGAP36 (Rho GTPase activating protein 36) is a 547 amino acid protein that contains one Rho-GAP domain. Conserved in chimpanzee, dog, cow, mouse and rat, ARHGAP36 exists as five alternatively spliced isoforms and is encoded by a gene that maps to human chromosome Xq26.1. Chromosome X consists of nearly 153 million base pairs encoding approximately 1,000 genes. More than one copy of the X chromosome with a Y chromosome causes Klinefelter's syndrome. A single copy of X alone leads to Turner's syndrome. More than 2 copies of the X chromosome, in the absence of a Y chromosome, is known as Triple X syndrome. Color blindness, hemophilia, and Duchenne muscular dystrophy are X chromosome-linked conditions that affect males more frequently because males carry a single X chromosome.

Additional Information

Gene ID	254013
Other Names	Electron transfer flavoprotein beta subunit lysine methyltransferase, 2.1.1.-, ETFB lysine methyltransferase, ETFB-KMT, Protein N-lysine methyltransferase METTL20, ETFBKMT (HGNC:28739), C12orf72, METTL20
Dilution	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 ETFBKMT ([HGNC:28739](#))

Synonyms C12orf72, METTL20

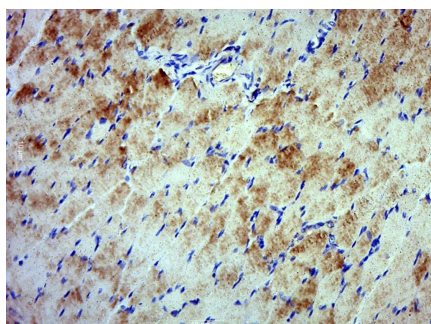
Function Protein-lysine methyltransferase that selectively trimethylates the flavoprotein ETFB in mitochondria (PubMed:[25023281](#), PubMed:[25416781](#)). Thereby, may negatively regulate the function of ETFB in electron transfer from Acyl-CoA dehydrogenases to the main respiratory chain (PubMed:[25416781](#)).

Cellular Location Cytoplasm. Mitochondrion matrix. Note=Concentrated in cytoplasmic granular foci.

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Images



Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle); 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 (C12orf72) Polyclonal Antibody, Unconjugated (AP56957) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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