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C17orf95 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13464b

Product Information

Application	WB, E
Primary Accession	Q86XA0
Other Accession	Q5RJL2, A2AA28, NP_001073979.2
Reactivity	Human, Rat, Mouse
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33219
Calculated MW	21469
Antigen Region	138-166

Additional Information

Gene ID	124512
Other Names	Methyltransferase-like protein 23, 211-, METTL23, C17orf95
Target/Specificity	This C17orf95 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-166 amino acids from the C-terminal region of human C17orf95.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	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.
Precautions	C17orf95 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	METTL23 {ECO:0000303|PubMed:24501276, ECO:0000312|HGNC:HGNC:26988}
Function	Histone methyltransferase that dimethylates histone H3 at 'Arg-17', forming asymmetric dimethylarginine (H3R17me2a), leading to activate transcription

via chromatin remodeling (By similarity). Maternal factor involved in epigenetic chromatin reprogramming of the paternal genome in the zygote: mediates H3R17me2a, promoting histone H3.3 incorporation in the male pronucleus, leading to TET3 recruitment and subsequent DNA demethylation (By similarity).

Cellular Location Nucleus. Cytoplasm Note=Localizes in male and female zygote pronucleus and cytoplasm {ECO:0000250|UniProtKB:A2AA28}

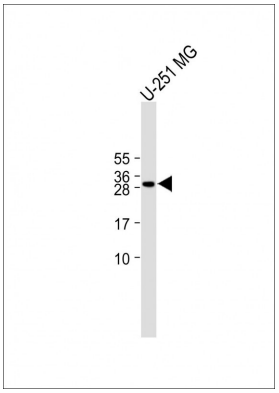
Background

The specific function of the protein remains unknown.

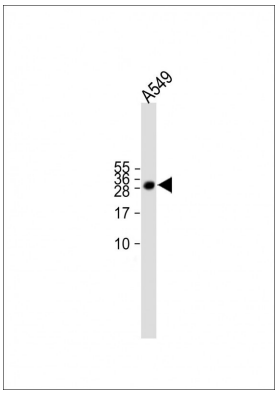
References

Strausberg, R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903(2002)

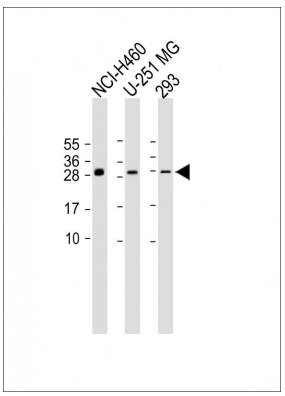
Images



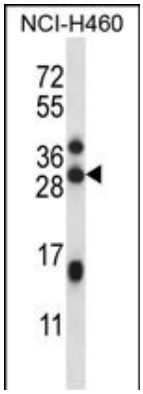
All lanes : Anti-C17orf95 Antibody (C-term) at 1:500 dilution Lane 1: A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 28kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-C17orf95 Antibody (C-term) at 1:500 dilution Lane 1: A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 30kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-FUNDC2 Antibody (C-term) at 1:1000 dilution Lane 1: NCI-H460 whole cell lysate Lane 2: U-251 MG whole cell lysate Lane 3: 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 29kDa Blocking/Dilution buffer: 5% NFDM/TBST.



C17orf95 Antibody (C-term) (Cat. #AP13464b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the C17orf95 antibody detected the C17orf95 protein (arrow).

Citations

- Disruption of the methyltransferase-like 23 gene METTL23 causes mild autosomal recessive intellectual disability.

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