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ZNF830 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20677c

Product Information

Application	WB, E
Primary Accession	Q96NB3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB49568
Calculated MW	41999

Additional Information

Gene ID	91603
Other Names	Zinc finger protein 830, Coiled-coil domain-containing protein 16, ZNF830, CCDC16
Target/Specificity	This ZNF830 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 173-207 amino acids from the Central region of human ZNF830.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	ZNF830 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZNF830 (HGNC:28291)
Function	May play a role in pre-mRNA splicing as component of the spliceosome (PubMed:25599396). Acts as an important regulator of the cell cycle that participates in the maintenance of genome integrity. During cell cycle progression in embryonic fibroblast, prevents replication fork collapse, double-strand break formation and cell cycle checkpoint activation. Controls

	mitotic cell cycle progression and cell survival in rapidly proliferating intestinal epithelium and embryonic stem cells. During the embryo preimplantation, controls different aspects of M phase. During early oocyte growth, plays a role in oocyte survival by preventing chromosomal breaks formation, activation of TP63 and reduction of transcription (By similarity).
Cellular Location	Nucleus. Chromosome {ECO:0000250|UniProtKB:Q8R1N0}. Nucleus speckle {ECO:0000250|UniProtKB:Q8R1N0}. Note=Excluded from nucleolus {ECO:0000250|UniProtKB:Q8R1N0}

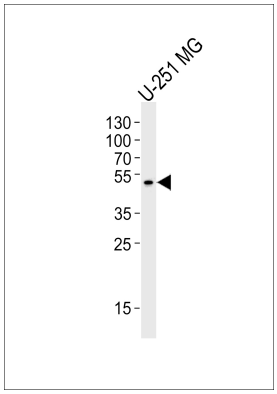
Background

May act as a regulator of the cell cycle in embryos by participating in control of M phase (By similarity).

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Olsen J.V.,et al.Cell 127:635-648(2006).
Matsuoka S.,et al.Science 316:1160-1166(2007).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).

Images



Western blot analysis of lysate from U-251 MG cell line, using ZNF830 Antibody (Center)(Cat. #AP20677c). AP20677c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

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