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Anti-ZC3H13 Antibody

Catalog # AP59814

Product Information

Application	WB, IF/IC
Primary Accession	Q5T200
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	196635

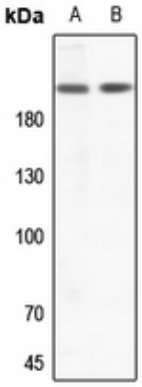
Additional Information

Gene ID	23091
Other Names	KIAA0853; Zinc finger CCCH domain-containing protein 13
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ZC3H13. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

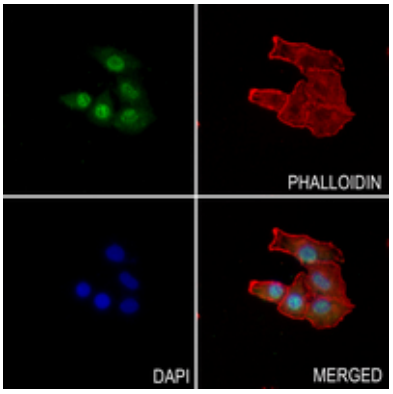
Protein Information

Name	ZC3H13 {ECO:0000303|PubMed:29507755, ECO:0000312|HGNC:HGNC:20368}
Function	Associated component of the WMM complex, a complex that mediates N6-methyladenosine (m6A) methylation of RNAs, a modification that plays a role in the efficiency of mRNA splicing and RNA processing (PubMed:29507755). Acts as a key regulator of m6A methylation by promoting m6A methylation of mRNAs at the 3'-UTR (By similarity). Controls embryonic stem cells (ESCs) pluripotency via its role in m6A methylation (By similarity). In the WMM complex, anchors component of the MACOM subcomplex in the nucleus (By similarity). Also required for bridging WTAP to the RNA-binding component RBM15 (RBM15 or RBM15B) (By similarity).
Cellular Location	Nucleus speckle. Nucleus, nucleoplasm

Images



Western blot analysis of ZC3H13 expression in Hela (A), H446 (B) whole cell lysates. (Predicted band size: 196 kD; Observed band size: 197 kD)



Immunofluorescent analysis of ZC3H13 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).