

Anti-ZC3H4 Antibody

Catalog # AP53902

Product Information

Application	WB, IHC
Primary Accession	Q9UPT8
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	140257

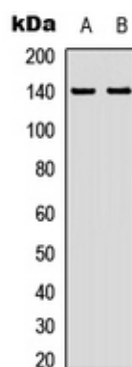
Additional Information

Gene ID	23211
Other Names	C19orf7; KIAA1064; Zinc finger CCCH domain-containing protein 4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ZC3H4. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200
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

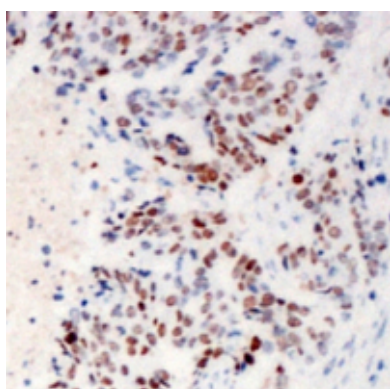
Protein Information

Name	ZC3H4 {ECO:0000303 PubMed:33913806, ECO:0000312 HGNC:HGNC:17808}
Function	RNA-binding protein that suppresses transcription of long non-coding RNAs (lncRNAs) (PubMed: 33767452 , PubMed: 33913806). LncRNAs are defined as transcripts more than 200 nucleotides that are not translated into protein (PubMed: 33767452 , PubMed: 33913806). Together with WDR82, part of a transcription termination checkpoint that promotes transcription termination of lncRNAs and their subsequent degradation by the exosome (PubMed: 33767452 , PubMed: 33913806). The transcription termination checkpoint is activated by the inefficiently spliced first exon of lncRNAs (PubMed: 33767452).
Cellular Location	Chromosome. Note=Recruited at sites of high RNA polymerase II occupancy

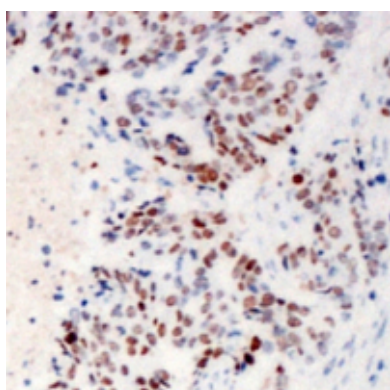
Images



Western blot analysis of ZC3H4 expression in HEK293T (A), HepG2 (B) whole cell lysates. (Predicted band size: 140 kD; Observed band size: 140 kD)



Immunohistochemical analysis of ZC3H4 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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