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ZNF93 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20006A

Product Information

Application	WB, E
Primary Accession	P35789
Other Accession	NP_112495.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42058
Calculated MW	70971
Antigen Region	40-67

Additional Information

Gene ID	81931
Other Names	Zinc finger protein 93, Zinc finger protein 505, Zinc finger protein HTF34, ZNF93, ZNF505
Target/Specificity	This ZNF93 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-67 amino acids from the N-terminal region of human ZNF93.
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	ZNF93 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZNF93
Synonyms	ZNF505
Function	Transcription factor specifically required to repress long interspersed

nuclear element 1 (L1) retrotransposons: recognizes and binds L1 sequences and repress their expression by recruiting a repressive complex containing TRIM28/KAP1 (PubMed:25274305). Not able to repress expression of all subtypes of L1 elements. Binds to the 5' end of L1PA4, L1PA5 and L1PA6 subtypes, and some L1PA3 subtypes. Does not bind to L1PA7 or older subtypes nor at the most recently evolved L1PA2 and L1Hs. 50% of L1PA3 elements have lost the ZNF93-binding site, explaining why ZNF93 is not able to repress their expression (PubMed:25274305).

Cellular Location Nucleus.

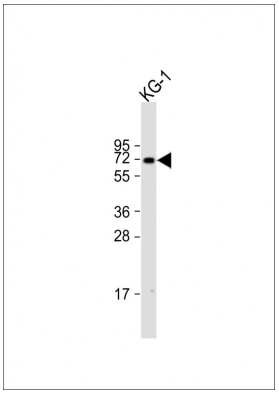
Background

May be involved in transcriptional regulation.

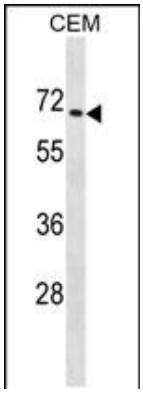
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Duan, Z., et al. PLoS ONE 4 (9), E6967 (2009) :
Caporaso, N., et al. PLoS ONE 4 (2), E4653 (2009) :
Grimwood, J., et al. Nature 428(6982):529-535(2004)
Bellefroid, E.J., et al. EMBO J. 12(4):1363-1374(1993)

Images



Anti-ZNF93 Antibody (N-term) at 1:1000 dilution + KG-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 71 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ZNF93 Antibody (N-term) (Cat. #AP20006a) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the ZNF93 antibody detected the ZNF93 protein (arrow).

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