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ZNF322A Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17366b

Product Information

Application	WB, E
Primary Accession	Q6U7Q0
Other Accession	Q4R7X8, NP_078915.2
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37810
Calculated MW	46941
Antigen Region	326-352

Additional Information

Gene ID	79692
Other Names	Zinc finger protein 322, Zinc finger protein 322A, Zinc finger protein 388, Zinc finger protein 489, ZNF322, ZNF322A, ZNF388, ZNF489
Target/Specificity	This ZNF322A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 326-352 amino acids from the C-terminal region of human ZNF322A.
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	ZNF322A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZNF322
Synonyms	ZNF322A, ZNF388, ZNF489

Function	Transcriptional activator (PubMed: 15555580). Important for maintenance of pluripotency in embryonic stem cells (By similarity). Binds directly to the POU5F1 distal enhancer and the NANOG proximal promoter, and enhances expression of both genes (By similarity). Can also bind to numerous other gene promoters and regulates expression of many other pluripotency factors, either directly or indirectly (By similarity). Promotes inhibition of MAPK signaling during embryonic stem cell differentiation (By similarity).
Cellular Location	Cytoplasm. Nucleus. Note=Mainly found in the nucleus
Tissue Location	Ubiquitous. Highly expressed in heart and skeletal muscle.

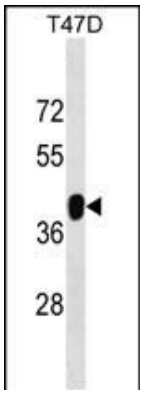
Background

ZNF322A is a member of the zinc-finger transcription factor family and may regulate transcriptional activation in MAPK (see MAPK1; MIM 176948) signaling pathways (Li et al., 2004 [PubMed 15555580]).

References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Li, Y., et al. Biochem. Biophys. Res. Commun. 325(4):1383-1392(2004)

Images



ZNF322A Antibody (C-term) (Cat. #AP17366b) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the ZNF322A antibody detected the ZNF322A protein (arrow).