10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MED22 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12666a

Product Information

Application	WB, E
Primary Accession	Q15528
Other Accession	Q6GQ95, A0JPN6, Q62276, NP_598395.1, NP_852468.1
Reactivity	Human
Predicted	Mouse, Rat, Xenopus, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31353
Calculated MW	22221
Antigen Region	1-30

Additional Information

Gene ID	6837
Other Names	Mediator of RNA polymerase II transcription subunit 22, Mediator complex subunit 22, Surfeit locus protein 5, Surf-5, MED22, SURF5
Target/Specificity	This MED22 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human MED22.
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	MED22 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MED22
Synonyms	SURF5

Function	Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene- specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors.
Cellular Location	Nucleus.

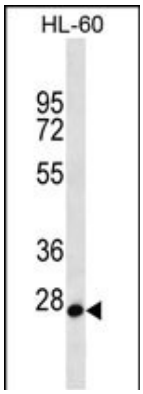
Background

This gene is located in the surfeit gene cluster, a group of very tightly linked housekeeping genes that do not share sequence similarity. The gene is oriented in a head-to-head fashion with RPL7A (SURF3) and the two genes share a bidirectional promoter. The encoded proteins are localized to the cytoplasm. Two alternative transcript variants encoding different isoforms have been identified for this gene.

References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Sato, S., et al. Mol. Cell 14(5):685-691(2004)
Hillman, R.T., et al. Genome Biol. 5 (2), R8 (2004) :

Images



MED22 Antibody (N-term) (Cat. #AP12666a) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the MED22 antibody detected the MED22 protein (arrow).

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