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GPKOW Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16513c

Product Information

Application	WB, E
Primary Accession	Q92917
Other Accession	NP_056513.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35995
Calculated MW	52229
Antigen Region	309-338

Additional Information

Gene ID	27238
Other Names	G patch domain and KOW motifs-containing protein, G patch domain-containing protein 5, Protein MOS2 homolog, Protein T54, GPKOW, GPATC5, GPATCH5, T54
Target/Specificity	This GPKOW antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 309-338 amino acids from the Central region of human GPKOW.
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	GPKOW Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GPKOW
Synonyms	GPATC5, GPATCH5, T54

Function	RNA-binding protein involved in pre-mRNA splicing. As a component of the minor spliceosome, involved in the splicing of U12- type introns in pre-mRNAs (Probable).
Cellular Location	Nucleus

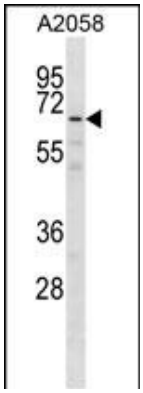
Background

T54, also known as GPKOW (G patch domain and KOW motifs), GPATC5 or GPATCH5 (G patch domain-containing protein 5), is a potential RNA-binding protein consisting of one central G patch domain and two C-terminal KOW domains. T54 is a 476 amino acid protein belonging to the MOS2 family. It is a mammalian homolog of the Arabidopsis thaliana MOS2 (modifier of SNC1, 2) nuclear protein that is required for innate immunity. Similar to A. thaliana MOS2, T54 localizes to the nucleus and contains G patch and KOW domains, suggesting that T54 may play a similar role in mammalian innate immunity.

References

Lamesch, P., et al. Genomics 89(3):307-315(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Zhang, Y., et al. Curr. Biol. 15(21):1936-1942(2005)
Schindelhauer, D., et al. Genome Res. 6(11):1056-1069(1996)

Images



GPKOW Antibody (Center) (Cat. #AP16513c) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the GPKOW antibody detected the GPKOW protein (arrow).

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