

GPKOW Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP16513c

Specification

GPKOW Antibody (Center) - Product Information

WB,E **Application Primary Accession** 092917 NP 056513.2 Other Accession Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 52229 Antigen Region 309-338

GPKOW Antibody (Center) - 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.

GPKOW Antibody (Center) - 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).

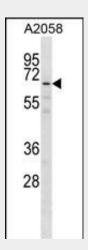
Cellular Location Nucleus

GPKOW Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

GPKOW Antibody (Center) - 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).

GPKOW Antibody (Center) - 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.

GPKOW Antibody (Center) - 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)