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# GPKOW Antibody (Center) Blocking Peptide

**Synthetic peptide**
**Catalog # BP16513c**

## Specification

### GPKOW Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q92917

### GPKOW Antibody (Center) Blocking Peptide - 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

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### GPKOW Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

### GPKOW Antibody (Center) Blocking Peptide - Images

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## GPKOW Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)