

**USP47 Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP21508c****Specification**

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**USP47 Blocking Peptide (Center) - Product Information**Primary Accession [Q96K76](#)**USP47 Blocking Peptide (Center) - Additional Information****Gene ID** 55031**Other Names**

Ubiquitin carboxyl-terminal hydrolase 47, Deubiquitinating enzyme 47, Ubiquitin thioesterase 47, Ubiquitin-specific-processing protease 47, USP47

**Target/Specificity**

The synthetic peptide sequence is selected from aa 588-600 of HUMAN USP47

**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.

**USP47 Blocking Peptide (Center) - Protein Information****Name** USP47**Function**

Ubiquitin-specific protease that specifically deubiquitinates monoubiquitinated DNA polymerase beta (POLB), stabilizing POLB thereby playing a role in base-excision repair (BER). Acts as a regulator of cell growth and genome integrity. May also indirectly regulate CDC25A expression at a transcriptional level.

**Cellular Location**

Cytoplasm.

**Tissue Location**

Expressed in skeletal muscle, heart and testis.

**USP47 Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

#### **USP47 Blocking Peptide (Center) - Images**

#### **USP47 Blocking Peptide (Center) - Background**

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#### **USP47 Blocking Peptide (Center) - References**

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Taylor T.D.,et al.Nature 440:497-500(2006).  
Jikuya H.,et al.Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases.  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).  
Quesada V.,et al.Biochem. Biophys. Res. Commun. 314:54-62(2004).