

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

USP47 Blocking Peptide (Center) - Product InformationPrimary 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

Ota T., et al. Nat. Genet. 36:40-45(2004).
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).