

KIAA1530 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP10583a**Specification**

KIAA1530 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q2YD98](#)
Other Accession [NP_065945.2](#)

KIAA1530 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 57654

Other Names

UV-stimulated scaffold protein A, UVSSA, KIAA1530

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.

KIAA1530 Antibody (N-term) Blocking Peptide - Protein Information

Name UVSSA

Synonyms KIAA1530

Function

Factor involved in transcription-coupled nucleotide excision repair (TC-NER), a mechanism that rapidly removes RNA polymerase II- blocking lesions from the transcribed strand of active genes (PubMed: [22466610](http://www.uniprot.org/citations/22466610), PubMed: [22466611](http://www.uniprot.org/citations/22466611), PubMed: [22466612](http://www.uniprot.org/citations/22466612)). Facilitates the ubiquitination of the elongating form of RNA polymerase II (RNA pol Ilo) at DNA damage sites, thereby promoting RNA pol Ilo backtracking and access by the TC-NER machinery to lesion sites (PubMed: [22466611](http://www.uniprot.org/citations/22466611), PubMed: [32142649](http://www.uniprot.org/citations/32142649)). Acts by promoting stabilization of ERCC6 by recruiting deubiquitinating enzyme USP7 to TC-NER complexes, preventing UV-induced degradation of ERCC6 by the proteasome (PubMed: [22466611](http://www.uniprot.org/citations/22466611), PubMed: [22466612](http://www.uniprot.org/citations/22466612)). Also facilitates transfer of TFIIH to RNA polymerase II (PubMed: [32142649](http://www.uniprot.org/citations/32142649)).

Not involved in processing oxidative damage (PubMed:22466612).

Cellular Location

Chromosome. Note=Accumulates at UV DNA damage sites

KIAA1530 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

KIAA1530 Antibody (N-term) Blocking Peptide - Images**KIAA1530 Antibody (N-term) Blocking Peptide - References**

Lamesch, P., et al. Genomics 89(3):307-315(2007)