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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, PubMed:22466611, PubMed:22466612). Facilitates the ubiquitination of the elongating form of RNA polymerase II (RNA pol IIo) at DNA damage sites, thereby promoting RNA pol IIo backtracking and access by the TC-NER machinery to lesion sites (PubMed:22466611, PubMed: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, PubMed:22466612). Also facilitates transfer of TFIIH to RNA polymerase II (PubMed: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)