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ANKRD32 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP5407a

Specification

ANKRD32 Blocking Peptide (N-term) - Product Information

Primary Accession	Q9BQI6
Other Accession	NP_115666.2

ANKRD32 Blocking Peptide (N-term) - Additional Information

Gene ID 84250

Other Names
Ankyrin repeat domain-containing protein 32, BRCT domain-containing protein 1, ANKRD32, BRCTD1

Target/Specificity
The synthetic peptide sequence is selected from aa 174-188 of HUMAN ANKRD32

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.

ANKRD32 Blocking Peptide (N-term) - Protein Information

Name SLF1 {ECO:0000303|PubMed:25931565, ECO:0000312|HGNC:HGNC:25408}

Function
Plays a role in the DNA damage response (DDR) pathway by regulating postreplication repair of UV-damaged DNA and genomic stability maintenance (PubMed:25931565). The SLF1-SLF2 complex acts to link RAD18 with the SMC5-SMC6 complex at replication-coupled interstrand cross-links (ICL) and DNA double-strand breaks (DSBs) sites on chromatin during DNA repair in response to stalled replication forks (PubMed:25931565). Promotes the recruitment of SLF2 and the SMC5-SMC6 complex to DNA lesions (PubMed:25931565, PubMed:36373674).

Cellular Location
Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q8R3P9}. Cytoplasm, cytoskeleton, microtubule

organizing center, centrosome {ECO:0000250|UniProtKB:Q8R3P9} Note=Relocalizes with RAD18 to nuclear foci in response to DNA damage Colocalizes with RAD18 in the nucleus and to centrosomes (By similarity). Associates with chromatin (PubMed:25931565). Accumulates with RAD18 and the SMC5-SMC6 complex at replication-coupled DNA interstrand repair and DNA double-strand breaks (DSBs) sites on chromatin in a ubiquitin-dependent manner (PubMed:25931565) {ECO:0000250|UniProtKB:Q8R3P9, ECO:0000269|PubMed:25931565}

ANKRD32 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

ANKRD32 Blocking Peptide (N-term) - Images

ANKRD32 Blocking Peptide (N-term) - References

Adams, D.J., et al. Mol. Cell. Biol. 25(2):779-788(2005)