

DDI2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5959c**Specification**

DDI2 Antibody (Center) Blocking peptide - Product Information

Primary Accession [Q5TDH0](#)
Other Accession [NP_115717.3](#)

DDI2 Antibody (Center) Blocking peptide - Additional Information

Gene ID 84301

Other Names

Protein DDI1 homolog 2, DDI2

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.

DDI2 Antibody (Center) Blocking peptide - Protein Information

Name DDI2 ([HGNC:24578](#))

Function

Aspartic protease that mediates the cleavage of NFE2L1/NRF1 at 'Leu-104', thereby promoting release of NFE2L1/NRF1 from the endoplasmic reticulum membrane (PubMed:27676298, PubMed:27528193). Ubiquitination of NFE2L1/NRF1 is a prerequisite for cleavage, suggesting that DDI2 specifically recognizes and binds ubiquitinated NFE2L1/NRF1 (PubMed:27528193). Seems to act as a proteasomal shuttle which links the proteasome and replication fork proteins like RTF2 (Probable). Required, with DDI1, for cellular survival following replication stress. Together or redundantly with DDI1, removes RTF2 from stalled forks to allow cell cycle progression after replication stress and maintains genome integrity (PubMed:29290612).

Cellular Location

Cytoplasm, cytosol. Chromosome

DDI2 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

DDI2 Antibody (Center) Blocking peptide - Images