

## **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)

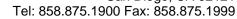
#### **Function**

Aspartic protease that mediates the cleavage of NFE2L1/NRF1 at 'Leu-104', thereby promoting release of NFE2L1/NRF1 from the endoplasmic reticulum membrane (PubMed:<a href="http://www.uniprot.org/citations/27676298" target="\_blank">27676298</a>, PubMed:<a href="http://www.uniprot.org/citations/27528193" target="\_blank">27528193</a>). Ubiquitination of NFE2L1/NRF1 is a prerequisite for cleavage, suggesting that DDI2 specifically recognizes and binds ubiquitinated NFE2L1/NRF1 (PubMed:<a href="http://www.uniprot.org/citations/27528193" target="\_blank">27528193</a>). 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 redudantly with DDI1, removes RTF2 from stalled forks to allow cell cycle progression after replication stress and maintains genome integrity (PubMed:<a href="http://www.uniprot.org/citations/29290612" target=" blank">29290612</a>).

## **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**