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KIAA0141 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17834b

Specification

KIAA0141 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q14154

KIAA0141 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9812

Other Names
Death ligand signal enhancer, KIAA0141, DELE

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.

KIAA0141 Antibody (C-term) Blocking Peptide - Protein Information

Name DELE1 (HGNC:28969)

Function
Protein kinase activator that acts as a key activator of the integrated stress response (ISR) following various stresses, such as iron deficiency and mitochondrial stress (PubMed:32132706, PubMed:32132707, PubMed:35388015, PubMed:37327776). Detects impaired protein import and processing in mitochondria, activating the ISR (PubMed:35388015). May also required for the induction of death receptor-mediated apoptosis through the regulation of caspase activation (PubMed:20563667).

Cellular Location
[DAP3-binding cell death enhancer 1]: Mitochondrion. Mitochondrion outer membrane. Mitochondrion inner membrane. Note=Imported in the mitochondrial matrix in absence of stress, leading to its degradation by LONP1 (PubMed:37327776). Localizes at the mitochondrial surface in response to iron deficiency: iron deficiency impairs mitochondrial import, promoting localization at the mitochondrial surface and stabilization (PubMed:37327776). Associates with the mitochondrion

inner membrane in response to mitochondrial stress, leading to its proteolytic processing by OMA1, and generation of the AP3-binding cell death enhancer 1 short form (DELE1(S) or S-DELE1) (PubMed:32132707)

Tissue Location
Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon

KIAA0141 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

KIAA0141 Antibody (C-term) Blocking Peptide - Images

KIAA0141 Antibody (C-term) Blocking Peptide - Background

KIAA0141 is detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon. It contains seven TPR repeats. Its function is unknown.

KIAA0141 Antibody (C-term) Blocking Peptide - References

Lamesch, P., et al. Genomics 89(3):307-315(2007)Hoja, M.R., et al. Exp. Cell Res. 259(1):239-246(2000)