

KIAA0141 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS15632**Specification**

KIAA0141 Antibody (N-Terminus) - Product Information

Application	IHC, IF, WB
Primary Accession	Q14154
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56kDa KDa

KIAA0141 Antibody (N-Terminus) - Additional Information**Gene ID** 9812**Other Names**

Death ligand signal enhancer, KIAA0141, DELE

Target/Specificity

Human KIAA0141.

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

KIAA0141 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

KIAA0141 Antibody (N-Terminus) - 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)

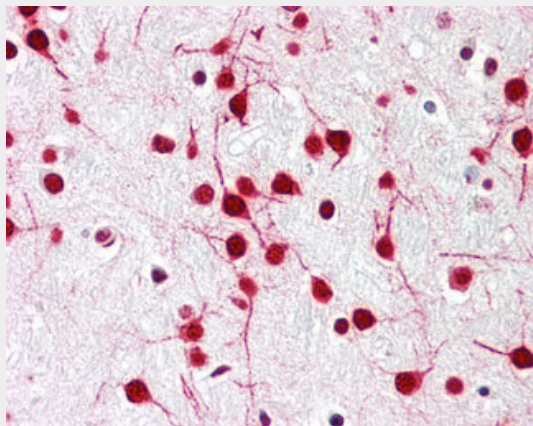
Tissue Location

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

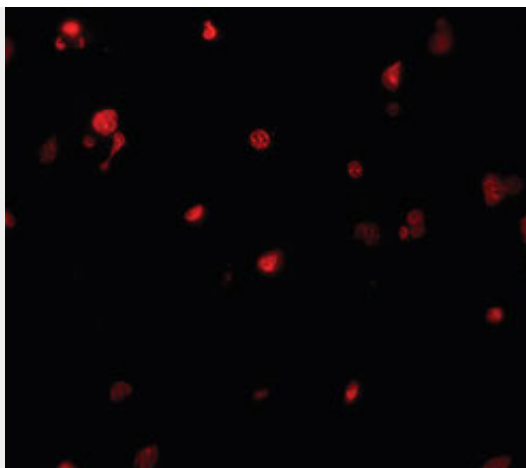
KIAA0141 Antibody (N-Terminus) - Protocols

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

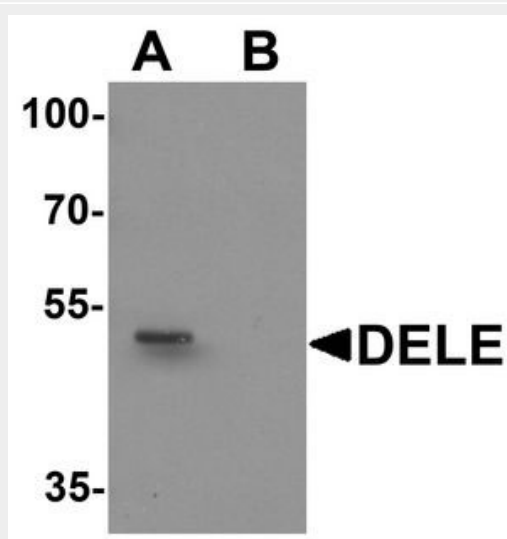
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KIAA0141 Antibody (N-Terminus) - Images

Anti-KIAA0141 antibody IHC staining of human brain, cortex.



Immunofluorescence of DELE in human brain tissue with DELE antibody at 20 ug/ml.



Western blot analysis of DELE in rat brain tissue lysate with DELE antibody at 1 ug/ml in (A)...

KIAA0141 Antibody (N-Terminus) - Background

Essential for the induction of death receptor-mediated apoptosis through the regulation of caspase activation.

KIAA0141 Antibody (N-Terminus) - References

Nagase T., et al. DNA Res. 2:167-174(1995).
Harada T., et al. Apoptosis 15:1247-1255(2010).