

KIAA0141 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15861**Specification****KIAA0141 Antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	Q14154
Other Accession	NM_014773 , NP_055588
Reactivity	Human, Horse, Bovine
Predicted	Human, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45kDa KDa

KIAA0141 Antibody - N-terminal region - Additional Information**Gene ID** 9812

Alias Symbol	DELE
Other Names	
Death ligand signal enhancer, KIAA0141, DELE	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-KIAA0141 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

KIAA0141 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

KIAA0141 Antibody - N-terminal region - Protein Information**Name** DELE1 {ECO:0000303|PubMed:32132706, ECO:0000312|HGNC: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, mitochondrial stress or mitochondrial DNA breaks (PubMed: [32132706](http://www.uniprot.org/citations/32132706), PubMed: [32132707](http://www.uniprot.org/citations/32132707), PubMed: [35388015](http://www.uniprot.org/citations/35388015), PubMed: [37327776](http://www.uniprot.org/citations/37327776), PubMed: [37550454](http://www.uniprot.org/citations/37550454), PubMed: [37832546](http://www.uniprot.org/citations/37832546), PubMed: [38340717](http://www.uniprot.org/citations/38340717))

target="_blank">38340717). 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

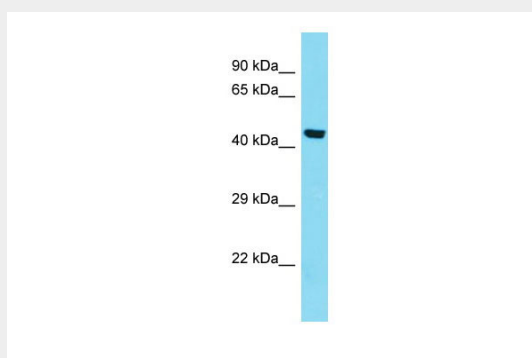
Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon

KIAA0141 Antibody - N-terminal region - 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-terminal region - Images



Host: Rabbit

Target Name: KIAA0141

Sample Tissue: HepG2 Whole cell lysate

s

Antibody Dilution: 1.0µg/ml KIAA0141 is supported by BioGPS gene expression data to be expressed in HepG2

KIAA0141 Antibody - N-terminal region - Background

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

KIAA0141 Antibody - N-terminal region - References

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