

DELE Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56482**Specification**

DELE Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	Q14154
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55920

DELE Polyclonal Antibody - Additional Information**Gene ID** 9812**Other Names**

DAP3-binding cell death enhancer 1, DAP3-binding cell death enhancer 1, long form, DELE1(L), Death ligand signal enhancer, DAP3-binding cell death enhancer 1 short form, DELE1(S), S-DELE1, DELE1 (<http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=28969> target="_blank">HGNC:28969)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

DELE Polyclonal Antibody - 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:<<http://www.uniprot.org/citations/32132706>>32132706, PubMed:<<http://www.uniprot.org/citations/32132707>>32132707, PubMed:<<http://www.uniprot.org/citations/35388015>>35388015, PubMed:<<http://www.uniprot.org/citations/37327776>>37327776). Detects impaired protein import and processing in mitochondria, activating the ISR (PubMed:<<http://www.uniprot.org/citations/35388015>>35388015). May also required for the induction of death receptor-mediated apoptosis through the regulation of caspase activation (PubMed:<<http://www.uniprot.org/citations/20563667>>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

DELE Polyclonal Antibody - 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](#)

DELE Polyclonal Antibody - Images