



# DELE1 mouse mAb

<b>Catalog No</b>	BYmab-17995
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	KIAA0141 DELE
<b>Protein Name</b>	Death ligand signal enhancer
<b>Immunogen</b>	Synthesized peptide derived from human DELE1
<b>Specificity</b>	This antibody detects endogenous levels of DELE1 at Human, Mouse,Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	57kD
<b>Cell Pathway</b>	[DAP3-binding cell death enhancer 1]: Mitochondrion . Mitochondrion inner membrane . 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). . ; [DAP3-binding cell death enhancer 1 short form]: Cytoplasm, cytosol . This short form is generated by proteolytic processing by OMA1 in response to mitochondrial stress, leading to translocation to the cytosol. .
<b>Tissue Specificity</b>	Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon.
<b>Function</b>	[DAP3-binding cell death enhancer 1]: Key activator of the integrated stress response (ISR) following mitochondrial stress . In response to mitochondrial stress, cleaved by the protease OMA1, generating the DAP3-binding cell death enhancer 1 short form (DELE1(S) or S-DELE1), which translocates to the cytosol and activates EIF2AK1/HRI to trigger the ISR . Essential for the induction of death receptor-mediated apoptosis through the regulation of caspase activation . ;

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[DAP3-binding cell death enhancer 1 short form]: Protein kinase activator generated by protein cleavage in response to mitochondrial stress, which accumulates in the cytosol and specifically binds to and activates the protein kinase activity of EIF2AK1/HRI . It thereby activates the integrated stress response (ISR): EIF2AK1/HRI activation promotes eIF-2-alpha (EIF2S1) phosphorylation, leading to a decrease in global protein

#### Background

#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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