



DELE1 mouse mAb

Catalog No	YP-mAb-17995
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	KIAA0141 DELE
Protein Name	Death ligand signal enhancer
Immunogen	Synthesized peptide derived from human DELE1
Specificity	This antibody detects endogenous levels of DELE1 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	57kD
Cell Pathway	[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. .
Tissue Specificity	Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon.
Function	[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 . ; [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