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KD-Validated Anti-HERPUD1 Mouse Monoclonal Antibody

Mouse monoclonal Antibody
Catalog # AGI2169

Product Information

Application	WB
Primary Accession	Q15011
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Names	24GB14035
Calculated MW	43720
Gene Name	HERPUD1
Aliases	HERPUD1; Homocysteine Inducible ER Protein With Ubiquitin Like Domain 1; HERP; KIAA0025; Mif1; SUP; Homocysteine-Inducible, Endoplasmic Reticulum Stress-Inducible, Ubiquitin-Like Domain Member 1; Homocysteine-Responsive Endoplasmic Reticulum-Resident Ubiquitin-Like Domain Member 1 Protein; Methyl Methanesulfonate (MMF)-Inducible Fragment Protein 1; omocysteine-Inducible Endoplasmic Reticulum Stress-Inducible Ubiquitin-Like Domain Member 1 Protein; MMS-Inducible; MIF1
Immunogen	Recombinant protein of human HERPUD1

Additional Information

Gene ID	9709
Other Names	Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein, Methyl methanesulfonate (MMF)-inducible fragment protein 1, HERPUD1, HERP, KIAA0025, MIF1

Protein Information

Name	HERPUD1
Synonyms	HERP, KIAA0025, MIF1
Function	Component of the endoplasmic reticulum quality control (ERQC) system also called ER-associated degradation (ERAD) involved in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins (PubMed:16289116, PubMed:28827405). Could enhance presenilin- mediated amyloid-beta protein 40 generation. Binds to ubiquilins and this interaction is required for efficient degradation of CD3D via the ERAD pathway (PubMed:18307982).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein
Tissue Location	Widely expressed; in the brain, expression seems to be restricted to neurons

and vascular smooth muscle cells. Present in activated microglia in senile plaques in the brain of patients with Alzheimer disease