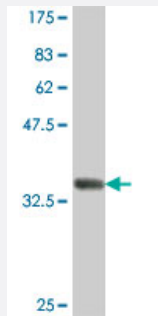


HERPUD1 polyclonal antibody (A01)

Catalog # H00009709-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37.88 KDa) .

Specification

| | |
|--------------------------------------|---|
| Product Description | Mouse polyclonal antibody raised against a partial recombinant HERPUD1. |
| Immunogen | HERPUD1 (NP_055500, 74 a.a. ~ 180 a.a) partial recombinant protein with GST tag. |
| Sequence | PKQEKRHVLHLVCNVKSPSKMPEINAKVAESTEELPAGSNRGQYPEDSSSDGLRQREVLRLNSS PGWENISRPEAAQQAFFQGLPGFSGYTPYGLQLSWFQQIYARQ |
| Host | Mouse |
| Reactivity | Human |
| Interspecies Antigen Sequence | Mouse (88); Rat (87) |
| Quality Control Testing | Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.88 KDa) . |
| Storage Buffer | 50 % glycerol |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — HERPUD1

| | |
|---------------------|--|
| Entrez GeneID | 9709 |
| GeneBank Accession# | NM_014685 |
| Protein Accession# | NP_055500 |
| Gene Name | HERPUD1 |
| Gene Alias | HERP, KIAA0025, Mif1, SUP |
| Gene Description | homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1 |
| Omim ID | 608070 |
| Gene Ontology | Hyperlink |
| Gene Summary | <p>The accumulation of unfolded proteins in the endoplasmic reticulum (ER) triggers the ER stress response. This response includes the inhibition of translation to prevent further accumulation of unfolded proteins, the increased expression of proteins involved in polypeptide folding, known as the unfolded protein response (UPR), and the destruction of misfolded proteins by the ER-associated protein degradation (ERAD) system. This gene may play a role in both UPR and ERAD. Its expression is induced by UPR and it has an ER stress response element in its promoter region while the encoded protein has an N-terminal ubiquitin-like domain which may interact with the ERAD system. This protein has been shown to interact with presenilin proteins and to increase the level of amyloid-beta protein following its overexpression. Alternative splicing of this gene produces multiple transcript variants, some encoding different isoforms. The full-length nature of all transcript variants has not been determined. [provided by RefSeq]</p> |
| Other Designations | MMS-inducible homocysteine-inducible endoplasmic reticulum stress-inducible ubiquitin-like domain member 1 protein methyl methanesulfonate (MMF)-inducible fragment protein 1 |

Publication Reference

- [Multi-level inhibition of coronavirus replication by chemical ER stress.](#)

Mohammed Samer Shaban, Christin Müller, Christin Mayr-Buro, Hendrik Weiser, Johanna Meier-Soelch, Benadict Vincent Albert, Axel Weber, Uwe Linne, Torsten Hain, Ilya Babayev, Nadja Karl, Nina Hofmann, Stephan Becker, Susanne Herold, M Lienhard Schmitz, John Ziebuhr, Michael Kracht.

Nature Communications 2021 Sep; 12(1):5536.

Application: WB-Tr, Human, Monkey, Huh7, Vero cells

- [Apoptosis induction of 2'-hydroxycinnamaldehyde as a proteasome inhibitor is associated with ER stress and mitochondrial perturbation in cancer cells.](#)

Hong SH, Kim J, Kim JM, Lee SY, Shin DS, Son KH, Han DC, Sung YK, Kwon BM.

Biochemical Pharmacology 2007 May; 74(4):557.

Application: WB-Ce, Human, SW620 cells

Disease

- [Kidney Failure](#)