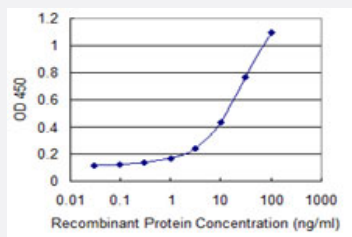


HERPUD1 monoclonal antibody (M14), clone 2F4

Catalog # H00009709-M14

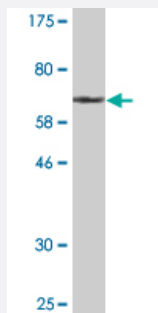
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HERPUD1 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (68.75 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant HERPUD1.

Immunogen

HERPUD1 (AAH32673, 1 a.a. ~ 391 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MESETEPEPVTLVKSPNQRHRDLELSGDRGWSVGHLKAHLRSVYPERPRPEDQRLIYSGKLLL
DHQCLRDLLPKQEKRVHLHLVCNVKSPSKMPEINAKVAESTEETEPAGSNRGQYPEDSSSDGLRQ
REVLRLSSPGWENISRPEAAQQAQGLPGFGSGYTPYGWLQLSWFQQIYARQYYMQYLAATAA
SGAFVPPPSAQEIPVVSAPAPAPIHNQFPAENQPANQNAAPQVVVNPANQNLRMNAQGGPVE
EDDEINRDWLDWTYSAATFSVFLSILYFYSSLSRFLMVMGATVVMYLHHVGFPPFRPRPVQNFNP
DGPPPDVVNQDPNNNLQEGTDPETEDPNHLPDDRDLVDGEQTSPSPFMSTAWLVFKTFFASLLP
EGPPAIAN

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (87)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (68.75 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HERPUD1 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — HERPUD1

Entrez GeneID	9709
GeneBank Accession#	BC032673
Protein Accession#	AAH32673
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

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]

Other Designations

MMS-inducible|homocysteine-inducible endoplasmic reticulum stress-inducible ubiquitin-like domain member 1 protein|methyl methanesulfonate (MMF)-inducible fragment protein 1

Disease

- [Kidney Failure](#)