

# ARG45468 anti-HERPUD1 antibody

Package: 50 μg Store at: -20°C

# Summary

Product Description	Rabbit Polyclonal antibody recognizes HERPUD1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Specificity	HERPUD1
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Target Name	HERPUD1
Species	Human
Immunogen	Recombinant protein containing to human HERPUD1.
Conjugation	Un-conjugated
Alternate Names	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; Homocysteine-Inducible Endoplasmic Reticulum Stress-Inducible Ubiquitin-Like Domain Member 1 Protein; MMS-Inducible; MIF1

# **Application Instructions**

Application table	Application	Dilution
	ICC/IF	5 μg/ml
	IHC-P	2-5 μg/ml
	WB	0.25-0.5 μg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	56 kDa	

## **Properties**

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

# Bioinformation

Gene Symbol	HERPUD1
Gene Full Name	Homocysteine Inducible ER Protein With Ubiquitin Like Domain 1
Background	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 following its overexpression. Alternative splicing of this gene produces multiple transcript variants encoding different isoforms. The full-length nature of all transcript variants has not been determined. [provided by RefSeq, Jan 2013]
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. [UniProt]
Calculated Mw	44 kDa
PTM	Acetylation; Phosphoprotein. [UniProt]
Cellular Localization	Endoplasmic reticulum; Membrane. [UniProt]

# Images



## ARG45468 anti-HERPUD1 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG45468 anti-HERPUD1 antibody at 2  $\mu g/ml$  dilution.



# - 175 - 125 - 100 - 80 - 55 - 45 - 38 - 30 - 20

## ARG45468 anti-HERPUD1 antibody ICC/IF image

Immunofluorescence: A549 stained with ARG45468 anti-HERPUD1 antibody at 5  $\mu g/ml$  dilution.

#### ARG45468 anti-HERPUD1 antibody WB image

Western blot: PC-3 stained with ARG45468 anti-HERPUD1 antibody at 0.5  $\mu g/ml$  dilution.



## ARG45468 anti-HERPUD1 antibody WB image

Western blot: Rat liver stained with ARG45468 anti-HERPUD1 antibody at 0.5  $\mu g/ml$  dilution.



#### ARG45468 anti-HERPUD1 antibody WB image

Western blot: Mouse liver stained with ARG45468 anti-HERPUD1 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.