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Datasheet for ABIN5004529

anti-HERPUD1 antibody (AA 1-100) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	HERPUD1
Binding Specificity:	AA 1-100
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HERPUD1 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HERPUD1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Cow, Sheep, Pig, Horse, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	HERPUD1
Alternative Name:	HERPUD1 (HERPUD1 Products)

Target Details

Background: Synonyms: HERP, HERP1_HUMAN, HERPUD1, Homocysteine inducible endoplasmic reticulum stress inducible ubiquitin like domain member 1, Homocysteine responsive endoplasmic reticulum resident ubiquitin like domain member 1, Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein, KIAA0025, Methyl methanesulfonate MMF inducible fragment protein 1, Methyl methanesulfonate MMF-inducible fragment protein 1, M1, MMS inducible, SUP.

Background: HERPUD1 is a 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 encoding different isoforms. The full-length nature of all transcript variants has not been determined. [provided by RefSeq, Jan 2013].

Gene ID: 9709

Pathways: [ER-Nucleus Signaling](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months