SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Rabbit Anti-HERPUD2 antibody

**Catalog Number: SL15465R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

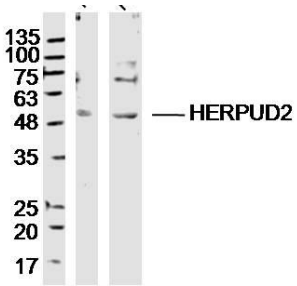
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|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | HERPUD2 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human HERPUD2: 21-120/406 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human(predicted:Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep) |
| **Predicted MW.:** | 45kDa |
| **Subcellular Location:** | The cell membrane |
| **Background:** | The endoplasmic reticulum (ER) stress response is triggered by the accumulation of unfolded proteins within the ER and is characterized by three events: the inhibition of translation (to prevent further protein accumulation), the up-regulated expression of polypeptide-folding proteins (known as the unfolded protein response or UPR) and the degradation of misfolded proteins by the ER-associated protein degradation (ERAD) system. Members of the homocysteine-inducible and ER stress-inducible ubiquitin-like domain families are components of the ERAD system and, via their ubiquitin-like domain, are thought to be involved in the destruction of misfolded proteins. HERPUD2 (Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 2) is a 406 amino acid single-pass membrane protein containing one N-terminal ubiquitin-like domain.<br>HERPUD2 is thought to be involved in the unfolded protein response (UPR) pathway. |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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|---|---|
| | **Function:** Could be involved in the unfolded protein response (UPR) pathway (By similarity).<br>**Subcellular Location:** Membrane; Single-pass membrane protein (Potential).<br>**Similarity:** Contains 1 ubiquitin-like domain.<br>**Database links:**<br>**Entrez Gene:** 64224 Human<br>**Entrez Gene:** 80517 Mouse<br>**Entrez Gene:** 300463 Rat<br>**SwissProt:** Q9BSE4 Human<br>**SwissProt:** Q9JJC9 Mouse<br>**SwissProt:** Q66HH4 Rat<br>**Unigene:** 643051 Human<br>**Unigene:** 142843 Mouse<br>**Unigene:** 231721 Rat |

## [ VALIDATION IMAGES ]




Sample:
HL-60 Cell (Human) Lysate at 40 ug
K562 Cell (Human) Lysate at 40 ug
Primary: Anti- HERPUD2 (SL15465R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 45 kD
Observed band size: 50 kD

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