

For Research Use Only

# RyDEN Recombinant monoclonal antibody

Catalog Number: 88428-1-RR



## Basic Information

|                                                                |                                                          |                                                       |
|----------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>88428-1-RR                           | <b>GenBank Accession Number:</b><br>BC035817             | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>55337                           | <b>CloneNo.:</b><br>260958E12                         |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>Q9NUL5                             | <b>Recommended Dilutions:</b><br>WB: 1:5000-1:50000   |
| <b>Isotype:</b><br>IgG                                         | <b>Full Name:</b><br>chromosome 19 open reading frame 66 |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG42748                    | <b>Observed MW:</b><br>38 kDa                            |                                                       |

## Applications

|                                                  |                                                                                                             |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, ELISA         | <b>Positive Controls:</b><br>WB : THP-1 cells, L02 cells, HuH-7 cells, mouse liver tissue, rat liver tissue |
| <b>Species Specificity:</b><br>human, mouse, rat |                                                                                                             |

## Background Information

The shiftless antiviral inhibitor of ribosomal frameshifting (SHFL) gene was firstly predicted as an ISG in 2011, which is also named as C19orf66, FLJ11286, IRAV, UPF0515, and RyDEN. SHFL showed high expressing level in human liver and spleen tissues, whereas a lower expression is observed in the pancreas and heart. SHFL is a novel ISG that inhibits dengue virus (DENV), West Nile virus (WNV), Zika virus (ZIKV), and Japanese encephalitis virus (JEV) infections. Interestingly, SHFL functions as a broad-spectrum antiviral factor exhibiting suppressive activity against various types of RNA and DNA viruses. (PMID: 36293480, PMID: 26735137, PMID: 38149274)

## Storage

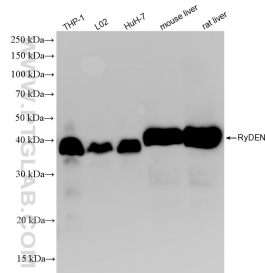
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88428-1-RR (RyDEN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.