

|                          |                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | PKR Rabbit Monoclonal Antibody                                                                                                                                                                                                                           |
| <b>Cat number:</b>       | MABN01459                                                                                                                                                                                                                                                |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                             |
| <b>Size:</b>             | 100µL                                                                                                                                                                                                                                                    |
| <b>Clone:</b>            | Monoclonal                                                                                                                                                                                                                                               |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                   |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                   |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                      |
| <b>Immunogen:</b>        | A synthetic peptide corresponding to target protein                                                                                                                                                                                                      |
| <b>Reactivity:</b>       | Human                                                                                                                                                                                                                                                    |
| <b>Applications:</b>     | WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50                                                                                                                                                                                            |
| <b>Molecular Weight:</b> | Calculated MW: 62 kDa; Observed MW: 74 kDa                                                                                                                                                                                                               |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                    |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                   |
| <b>Buffer:</b>           | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                                                                                                                                                                    |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                             |
| <b>Background:</b>       | PKR a protein kinase of the PEK family. Upon binding double-stranded RNA, it becomes autophosphorylated and activated. Phosphorylates and inhibits the alpha subunit of eIF2 alpha, which leads to an inhibition of the initiation of protein synthesis. |