# ire1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | ire1, Polyclonal Antibody |
| **Full Product Name** | ire1 Antibody |
| **Product Gene Name** | anti-ire1 antibody |
| **Product Synonym Names** | ire1; Serine/threonine-protein kinase ppk4 (EC 2.7.11.1); ppk4; SPAC167.01 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Schizosaccharomyces pombe (strain 972 / 24843)(Fission yeast) |
| **Form/Format** | Liquid<br>Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH7.4 |
| **Purity/Purification** | Antigen-affinity |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Molecular Weight** | 121,223 Da |
| **3D Structure** | ModBase 3D Structure for O94537 |
| **Immunogen** | Recombinant Schizosaccharomyces pombe (strain 972 / 24843)(Fission yeast) ire1 protein |
| **Conjugation** | Non-conjugate |
| **Modification** | Unmodified |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-ire1 antibody** | ELISA (EIA), Western Blot (WB)(ensure identification of antigen) |
| **Related Product Information for anti-ire1 antibody** | MBS7183438 is an antibody targeting ire1. Also known as ire1 Antibody. Reactive in Schizosaccharomyces pombe (strain 972 / 24843)(Fission yeast). Host: Rabbit. |
| **Other Notes** | Small volumes of anti-ire1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ire1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 19114296 |
| **NCBI GeneID** | 2542776 |
| **NCBI Accession #** | NP_593384.1 |
| **UniProt Primary Accession #** | O94537 |
| **GenBank Nucleotide #** | NM_001018816.2 |

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| **NCBI Official Full Name** | serine/threonine protein kinase Ppk4/ sensor for unfolded proteins in the ER (predicted) |
| **NCBI Official Symbol** | ire1 |
| **UniProt Protein Name** | Serine/threonine-protein kinase ppk4 |
| **Protein Family** | Serine/threonine-protein kinase/endoribonuclease |
| **UniProt Gene Name** | ppk4 |
| **NCBI Protein Information** | serine/threonine protein kinase Ppk4/ sensor for unfolded proteins in the ER (predicted) |
| **Research Articles on ire1** | **1.** The unfolded protein response in fission yeast modulates stability of Bip1 mRNA encoding a major ER chaperone as the sole mRNA cleaved upon Ire1 activation that escapes decay. |
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