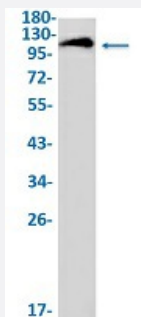


RecomAb™

# ERN1 (phospho Ser724) recombinant monoclonal antibody, clone R03-3I5

Catalog # RAB02162      Size 100 uL

## Applications



### Western Blot

Western Blot analysis of K562 lysates with ERN1 (Phospho Ser724) recombinant monoclonal antibody, clone R03-3I5 (Cat # RAB02162).

## Specification

|                             |                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit recombinant monoclonal antibody raised against human ERN1.                                                          |
| <b>Antibody Species</b>     | Rabbit                                                                                                                     |
| <b>Immunogen</b>            | Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Ser724 of human ERN1. |
| <b>Theoretical MW (kDa)</b> | Calculated MW: 110 k                                                                                                       |
| <b>Reactivity</b>           | Human                                                                                                                      |
| <b>Form</b>                 | Liquid                                                                                                                     |
| <b>Purification</b>         | Affinity purification                                                                                                      |
| <b>Isotype</b>              | IgG                                                                                                                        |
| <b>Recommend Usage</b>      | Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user.                          |

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)                            |
| Storage Instruction | Store at -20 °C.<br>Aliquot to avoid repeated freezing and thawing.                                                    |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Western Blot

Western Blot analysis of K562 lysates with ERN1 (Phospho Ser724) recombinant monoclonal antibody, clone R03-3I5 (Cat # RAB02162).

## Gene Info — ERN1

|                    |                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">2081</a>                                                                                                                                                                                                                                                                                                                              |
| Protein Accession# | <a href="#">O75460</a>                                                                                                                                                                                                                                                                                                                            |
| Gene Name          | ERN1                                                                                                                                                                                                                                                                                                                                              |
| Gene Alias         | FLJ30999, IRE1, IRE1P, MGC163277, MGC163279                                                                                                                                                                                                                                                                                                       |
| Gene Description   | endoplasmic reticulum to nucleus signaling 1                                                                                                                                                                                                                                                                                                      |
| Omim ID            | <a href="#">604033</a>                                                                                                                                                                                                                                                                                                                            |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                         |
| Gene Summary       | The protein encoded by this gene is the ER to nucleus signalling 1 protein, a human homologue of the yeast Ire1 gene product. This protein possesses intrinsic kinase activity and an endoribonuclease activity and it is important in altering gene expression as a response to endoplasmic reticulum-based stress signals. [provided by RefSeq] |
| Other Designations | ER to nucleus signalling 1 endoplasmic reticulum to nucleus signalling 1 inositol-requiring 1 protein kinase/endoribonuclease                                                                                                                                                                                                                     |

## Disease

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