# ileS Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | ileS, Polyclonal Antibody |
| **Full Product Name** | Rabbit anti-Escherichia coli O6:K15:H31 (strain 536/UPEC) ileS Polyclonal Antibody |
| **Product Gene Name** | anti-ileS antibody |
| **Product Synonym Names** | ileS Antibody; Isoleucine--tRNA ligase; EC 6.1.1.5; Isoleucyl-tRNA synthetase; IleRS; ileS ECP_0024 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | E Coli O6:K15:H31 (strain 536/UPEC) |
| **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** | 104,355 Da |
| **3D Structure** | ModBase 3D Structure for Q0TLW5 |
| **Immunogen** | Recombinant Escherichia coli O6:K15:H31 (strain 536 / UPEC) ileS protein |
| **Conjugation** | Non-conjugate |
| **Modification** | Unmodified |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-ileS antibody** | ELISA (EIA), WB (Western Blot) (ensure identification of antigen) |
| **Related Product Information for anti-ileS antibody** | MBS7189372 is an antibody targeting ileS. Also known as Rabbit anti-Escherichia coli O6:K15:H31 (strain 536/UPEC) ileS Polyclonal Antibody. Reactive in E Coli O6:K15:H31 (strain 536/UPEC). Host: Rabbit. |
| **Other Notes** | Small volumes of anti-ileS 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 ileS. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 447209569 |
| **NCBI Accession #** | WP_001286825.1 |
| **UniProt Primary Accession #** | Q0TLW5 |
| **GenBank Nucleotide #** | WP_001286825.1 |
| **NCBI Official Full Name** | isoleucine--tRNA ligase |

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| **UniProt Protein Name** | Isoleucine--tRNA ligase |
| **UniProt Synonym Protein Names** | Isoleucyl-tRNA synthetase |
| **Protein Family** | Isoleucine--tRNA ligase |
| **UniProt Gene Name** | ileS |
| **UniProt Synonym Gene Names** | IleRS |
| **UniProt Comments for ileS** | Catalyzes the attachment of isoleucine to tRNA(Ile). As IleRS can inadvertently accommodate and process structurally similar amino acids such as valine, to avoid such errors it has two additional distinct tRNA(Ile)-dependent editing activities. One activity is designated as 'pretransfer' editing and involves the hydrolysis of activated Val-AMP. The other activity is designated 'posttransfer' editing and involves deacylation of mischarged Val-tRNA(Ile). |
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