

## LuxS Polyclonal Antibody

Catalog No: #42641

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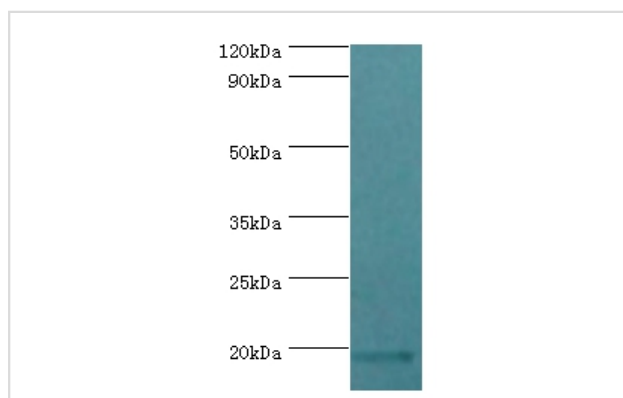
## Description

|                       |  |
|-----------------------|--|
| Product Name          | LuxS Polyclonal Antibody   |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Purification          | Caprylic Acid Ammonium Sulfate Precipitation purified                                |
| Applications          | WB   |
| Species Reactivity    | E.coli   |
| Specificity           | The antibody detects endogenous level of total LuxS polyclonal antibody.             |
| Immunogen Type        | protein  |
| Immunogen Description | Recombinant Escherichia coli S-ribosylhomocysteine lyase protein                     |
| Target Name           | LuxS   |
| Other Names           | AI-2 synthesis protein Autoinducer-2 production protein LuxS luxS ygaG b2687, JW2662 |
| Accession No.         | Swiss-Prot#: P45578  |
| Uniprot               | P45578   |
| GeneID                | 947168;  |
| Calculated MW         | 19kd   |
| Formulation           | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4        |
| Storage               | Store at -20°C   |

## Application Details

Western blotting: □ 1:500 - 1:1000

## Images



All lanes: S-ribosylhomocysteine lyase antibody at 2ug/ml + DH5a whole cell lysate  
 secondary  
 Goat polyclonal to rabbit at 1/10000 dilution  
 predicted band size : 19kDa  
 observed band size : 19kDa

## Background

Involved in the synthesis of autoinducer 2 (AI-2) which is secreted by bacteria and is used to communicate both the cell density and the metabolic potential of the environment. The regulation of gene expression in response to changes in cell density is called quorum sensing. Catalyzes the transformation of S-ribosylhomocysteine (RHC) to homocysteine (HC) and 4,5-dihydroxy-2,3-pentadione (DPD).

## References

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[1]"Construction of a contiguous 874-kb sequence of the Escherichia coli-K12 genome corresponding to 50.0-68.8 min on the linkage map and analysis of its sequence features."Yamamoto Y., Aiba H., Baba T., Hayashi K., Inada T., Isono K., Itoh T.

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Note: This product is for in vitro research use only