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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-HPr [JEL42] Standard Size Ab03282-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: JEL42

Alternative Name(s) of Target: Histidine-containing phosphocarrier protein; ptsH; hpr; Phosphocarrier protein HPr; Histidine-containing protein

UniProt Accession Number of Target Protein: P0AA04

Published Application(s): ELISA

Published Species Reactivity: Escherichia coli

Immunogen:

Specificity: This antibody binds the histidine containing phosphocarrier protein of Escherichia coli. It is an 85 amino acid phosphocarrier protein which is component of phosphoenolpyruvate-dependent sugar phosphotransferase system (sugar PTS). This major carbohydrate active-transport system catalyzes the phosphorylation of incoming sugar substrates concomitantly with their translocation across the cell membrane.

Application Notes: This antibody can detect mutant histidine binding protein in crude extracts. It was also capable of inhibiting PTS sugar phosphorylation assays, but the antibody-HPr complex could still be phosphorylated by enzyme I (PMID: 2438269)

Antibody First Published in: Waygood et al. Characterization of mutant histidine-containing proteins of the phosphoenolpyruvate: sugar phosphotransferase system of Escherichia coli and Salmonella typhimurium. J Bacteriol. 1987 Jun; 169(6): 2810-2818. [PMID:2438269](#)

Note on publication: Describes the characterization of mutant HPr protein of E. coli using two different antibodies.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.