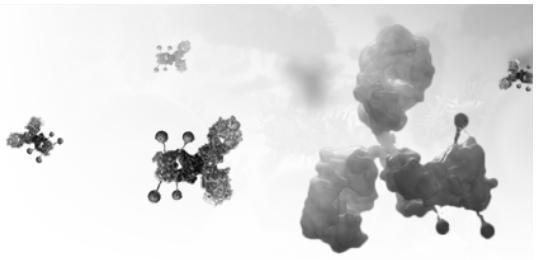

Anti-Lac I (full length) polyclonal antibody (DPAB22229)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Lac I Polyclonal Antibody
Target	Lac I
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a full-length recombinant Lac I protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Purification	This product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody reacts with recombinant Lac I protein. A BLAST analysis was used to suggest cross-reactivity with Lac I from DNA-binding transcriptional repress
Conjugate	Unconjugated
Applications	WB, ELISA
Format	Liquid (sterile filtered)
Concentration	1.0 mg/mL by UV absorbance at 280 nm
Size	100 µg
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative	None

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Storage	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for sever
Ship	Dry Ice

BACKGROUND

Introduction	The lac repressor protein (Lac I) is an important genetic control protein. It controls the expression of the lactose metabolizing enzymes in Escherichia coli. This regulation involves specific recognition of the operator DNA sequence (Lac O) and consequent inhibition of transcription initiation by RNA polymerase; modulation of binding at this target site by small sugar molecules, inducers, provides the basis for regulation. Different ligand binding activities are associated with the isolated domains of Lac I: specific and nonspecific DNA binding with the NH2 termini, and inducer and specific DNA binding with the core protein. This antibody could possibly be used to recover and purify protein/nucleic acid complexes (host and viral proteins associated with the viral DNA) from infected cells.
Keywords	Lac I; Rabbit Anti-Lac I Polyclonal Antibody; Anti-Lac I Polyclonal Antibody; Lac I Polyclonal Antibody Rabbit Anti-Lac I PAb; Anti-Lac I PAb; Lac I PAb; Rabbit Anti-Lac I Antibody; Anti-Lac I Antibody; Lac I Antibody

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