

Mouse RNA Polymerase beta Monoclonal Antibody

Purified anti-E. coli RNA Polymerase beta Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78937	Mouse	E Coli, Bordetella, Chlamydiae, Myxococcus, Salmonella, Vibrio	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

RNA Polymerase beta; Monoclonal Antibody; Purified anti-E. coli RNA Polymerase beta Antibody; RNAP subunit beta; rpoB; groN; nitB; rif; ron; stl; stv; tabD; RNA polymerase subunit beta; Transcriptase subunit beta; anti-RNA Polymerase beta antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	E Coli, Bordetella, Chlamydiae, Myxococcus, Salmonella, Vibrio
Clonality	Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Number	8RB13
Form/Format	0.22 um filtered protein solution is in phosphate-buffered solution, pH 7.2.
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-RNA Polymerase beta antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Purified recombinant E. coli RNA polymerase ? subunit.
Structure	1252 amino acids with a predicted molecular weight of approximately 150 kD.
Function	Transcriptional regulator in bacteria.
Molecular Family	Nuclear Markers
Preparation	The antibody was purified by affinity chromatography.
Distribution	Bacteria
Preparation and Storage	The antibody solution should be stored undiluted between 2°C and 8°C. May be sub-aliquoted and stored at -20°C to avoid multiple freeze thaw cycle

IMAGES



Application Data

Total lysates (15 ug protein) from E. coli BL21 cells were resolved by electrophoresis (4-12% Bis-Tris gel), transferred to nitrocellulose, and probed with 1:100000 diluted (0.005 ug/mL) purified anti-E. coli RNA Polymerase beta antibody (clone 8RB13). Proteins were visualized using an HRP goat anti-mouse-IgG secondary antibody (clone Poly4053, please inquire). Ponceau S staining (lower) was used as loading control. Lane M: Molecular weight ladder.

ADDITIONAL INFORMATION

Related Product Information for anti-RNA Polymerase beta antibody	RNA polymerase (RNAP or RNAPol) is an enzyme that produces primary transcript RNA. The beta subunit is the second-largest subunit, and is encoded by the roB gene. RNA polymerase beta is a subunit which, along with alpha (rpoC), limits core polymerase expression.
Product Categories/Family for anti-RNA Polymerase beta antibody	Cell Biology; Transcription Factors
References	1. Bergendahl V, et al. 2003. Protein Expr. Purif. 31:155. 2. Burgess RR and Thompson NE. 2002. Curr. Opin. Biotechnol. 13:304. 3. Stalder, ES. et al. 2011. Protein Expr. Purif. 77(1):26-33. (Epitope, ELISA, IP, WB) 1. Olivencia B,et al. 2017. Sci Rep.. 10.1038/s41598-017-14410-z. PubMed 2. Wipperman MF et al. 2018. Molecular cell. 72(1):152-161 . PubMed

NCBI AND UNIPROT INFORMATION

NCBI GeneID	948488
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rna-polymerase-beta-antibody-clone-8rb13-immunoprecipitation-western-blot-elisa/78937>