

Mouse RNA Sigma 70 Monoclonal Antibody

Direct-Blot HRP anti-E. coli RNA Sigma 70 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78936	Mouse	E coli, Chlamydia trachomatis, Mycobacterium smegmatis, Staphylococcus aureus, Bordetella pertussis, Rhodobacter sphaeroides, Vibrio parahaemolyticus, Pseudomonas aeruginosa, Agrobacterium tumefaciens, Streptococcus faecalis, Arthrobacter globiformis	Western Blot

PRODUCT SYNONYMS

RNA Sigma 70; Monoclonal Antibody; Direct-Blot HRP anti-E. coli RNA Sigma 70 Antibody; RNA pol sigma 70; rpoD; sigma D; RNA Polymerase; anti-RNA Sigma 70 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	E coli, Chlamydia trachomatis, Mycobacterium smegmatis, Staphylococcus aureus, Bordetella pertussis, Rhodobacter sphaeroides, Vibrio parahaemolyticus, Pseudomonas aeruginosa, Agrobacterium tumefaciens, Streptococcus faecalis, Arthrobacter globiformis
Clonality	Monoclonal
Isotype	Mouse IgG2b
Clone Number	2G10
Form/Format	This antibody is provided in 50% glycerol in aqueous buffered solutions with preservatives.
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-RNA Sigma 70 antibody	WB (Western Blot)
Immunogen	Recombinant protein
Biology Area	Cell Biology , Transcription Factors
Preparation	The antibody was purified by affinity chromatography and conjugated with HRP under optimal conditions.
Structure	Sigma 70 (σ^{70}) is a 70 kD transcription factor of E. coli RNA polymerase.
Preparation and Storage	Upon receipt, the antibody solution should be stored undiluted at -20°C, and protected from prolonged exposure to light.

IMAGES



WB (Western Blot)

15 ug of total protein extract from E. coli was resolved by electrophoresis, transferred to a nitrocellulose membrane, and probed with purified or Direct-Blot™ HRP (DB-HRP) anti-E. coli RNA Sigma 70 (clone 2G10). Proteins were visualized using chemiluminescence detection.

ADDITIONAL INFORMATION

Related Product Information for anti-RNA Sigma 70 antibody	RNA polymerase transcribes DNA to synthesize RNA. Prokaryotes contain a single RNA polymerase- core RNA polymerase. RNA polymerase sigma 70 (also known as RNA pol sigma 70 and rpoD) is a part of a family of sigma factor subunits that are required for specific promoter recognition and initiation. RNA pol sigma 70 is the major housekeeping sigma factor responsible for RNA polymerase recognition out of the majority of promoters necessary to transcribe bacterial genes which are expressed during expansion.
Product Categories/Family for anti-RNA Sigma 70 antibody	Cell Biology; Transcription Factors; Nuclear Markers
References	Breyer MJ, et al. 1997. J. Bacterial 179:1404. Lesley SA, et al. 1989. J. Biol. Chem. 264:3794. Strickland MS, et al. 1988. Biochemistry 27:5755.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	947567
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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-sigma-70-antibody-clone-2g10-western-blot-elisa/78936>