

Mouse Sigma S Monoclonal Antibody | anti-Sigma S antibody

mAb to Sigma S

CATALOG # AAA78933	HOST Mouse	REACTIVITY Most enterics	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

Sigma S; Monoclonal Antibody; mAb to Sigma S; MAb to sigmaS (sigma S) subunit of E.coli RNA polymerase; E. coli RNA Sigma S Monoclonal Antibody; Sigma 38; rpoS; appR; katF; nur; otsX; sigS; anti-Sigma S antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Most enterics
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1RS1
Specificity	Sigma S (E. coli Sigma S (Strain MG1655))
Form/Format	Ascites
Sequence Positions	33-256
Sequence Length	330
Applicable Applications for anti-Sigma S antibody	ELISA, WB (Western Blot)
Immunogen	Recombinant Protein
Reported Reactivity	E Coli, Klebsiella, Salmonella, Serratia, Bordetella and an unidentified protein at 60 kDa
Cross Reactivity Note	E Coli, Klebsiella, Salmonella, Serratia, Bordetella and an unidentified protein at 60 kDa
Polyol-responsive	No
Reconstitution	Add 100ul of ddH2O to the tube containing antibody and mix to dissolve
Product Note	Does not react with Shigella, Vibrio, Pseudomonas, Rhodobacter, Agrobacterium, Streptococcus, Arthrobacter, or Borrelia *Cross reactivity and Applications data is per published literature and/or unpublished data.
Preparation and Storage	Store at -20 degree C

ADDITIONAL INFORMATION

Related Product Information for anti-Sigma S antibody	MAb to sigma S subunit of E.coli RNA polymerase. Sigma S is a 38 kDa subunit of the E.coli RNA polymerase. Sigma S is a 38kDa transcription factor of E. coli RNA Polymerase sigmaS (sigma S) is a 38kDa subunit of the E.coli RNA polymerase Sigma transcription factor controlling a regulation of genes required for protection against external stresses. Possibly, it affects the expression of katE (catalase HPII), xthA (endonuclease III), the appABC operon and other genes by modifying the affinity of RNA polymerase for the promoters.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16130648
NCBI GeneID	947210
NCBI Accession #	NP_417221
NCBI GenBank Nucleotide #	NC_000913.2
UniProt Accession #	P13445; Q2MA88; Q79EB7
Molecular Weight	37,972 Da
NCBI Official Full Name	RNA polymerase, sigma S (sigma 38) factor
NCBI Official Symbol	rpoS
NCBI Official Synonym Symbols	abrD; appR; csi2; dpeB; ECK2736; JW5437; katF; nur; otsX; sigS
NCBI Protein Information	RNA polymerase, sigma S (sigma 38) factor
UniProt Protein Name	RNA polymerase sigma factor RpoS
UniProt Gene Name	rpoS
UniProt Synonym Gene Names	appR; katF; nur; otsX; sigS
UniProt Entry Name	RPOS_ECOLI

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/sigma-s-antibody-clone-1rs1-western-blot-elisa/78933>