

Anti-SSPA Antibody (4P669)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	E. coli
Conjugation:	Unconjugated
Clone:	4P669
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: E. coli ssPA / Stringent starvation protein A protein (TMPY-02390)
Antigen Species:	E. coli
Synonyms:	pog;ssp

Research Background

Stringent starvation protein A (ssPA), a member of the GST superfamily, is an RNA polymerase-associated transcriptional activator for the lytic development of phage P1 and is essential for stationary phase-induced acid tolerance of E. coli. It indicates that the flexible regions are not critical for SspA function, whereas the surface pocket is important for both transcriptional activation of the phage P1 late promoter and acid resistance of E. coli. SspA is known to be implicated in survival during nutrient starvation and prolonged stationary phase. Recently, SspA was shown to play an important role in the stationary phase-induced stress response including acid tolerance by down-regulating the level of the global regulator H-NS, which negatively regulates multiple stress defense systems.

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