

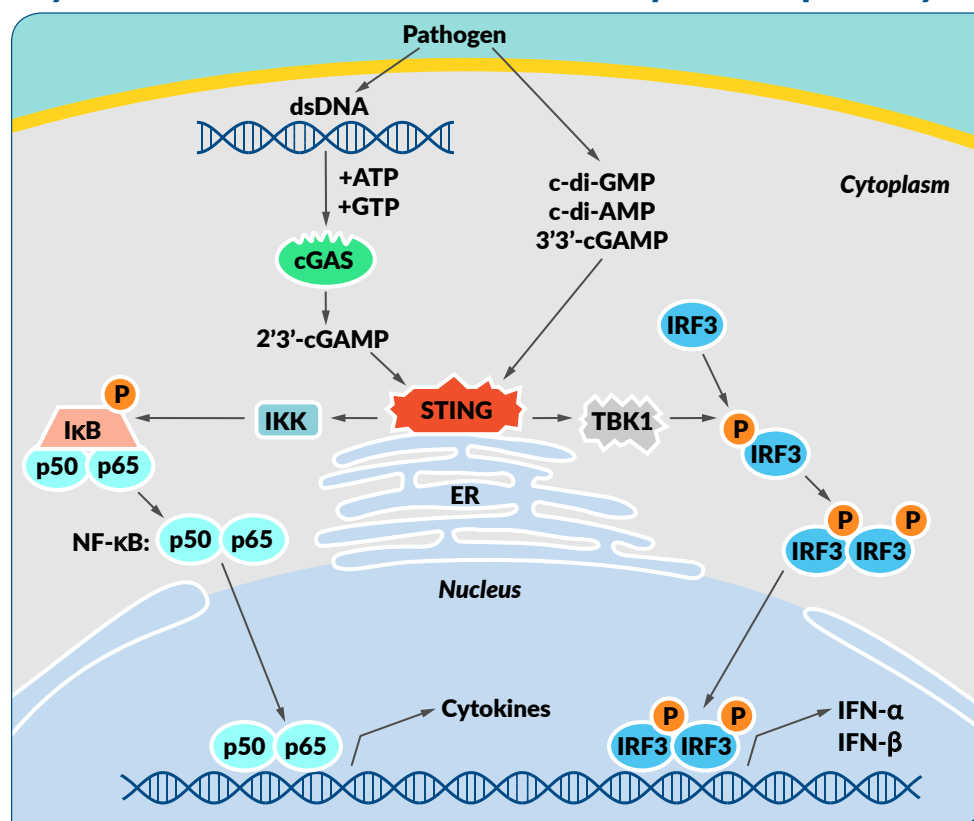
STING Signaling Pathway

STimulator of INterferon Genes complex

STING is involved in detecting threats to the immune system significant to cancer and immunology. It is a central mediator of the innate immune response, which can induce the expression of various interferons, cytokines, and T cell recruitment factors that strengthen immune activity. STING agonists also have the potential to enhance the initial anticancer response.

The mammalian cytosolic DNA sensor, cGAS, is believed to signal through the adaptor protein STING. STING may be activated through the cGAS-cGAMP-STING signaling pathway, and this pathway has been shown to be essential for DNA-mediated immune responses irrespective of cell type or DNA sequence.

Cayman offers several research tools to explore this pathway.



3'-cGAMP

Item No. 17966

Cyclic di-AMP

Item No. 17753

Cyclic di-GMP

Item No. 17144

STING (human recombinant)

Item No. 15139

STING Polyclonal Antibody

Item No. 17857

NF-κB (human p50) Transcription Factor Assay Kit

Item No. 10006912

NF-κB (p65) Transcription Factor Assay Kit

Item No. 10007889

DMXAA

Item No. 14617

A STING activator that signals through mouse but not human STING

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