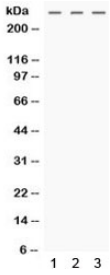
MGA Antibody / MAX gene associated protein (R32278)

Catalog No.	Formulation	Size
R32278	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q8IWI9
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This MGA antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) MCF7 and 3) SW620 cell lysate with MGA antibody. Expected molecular weight ~331 kDa.

Description

Mga is a DNA-binding protein that activates the expression of several important virulence genes in Streptococcus pyogenes (group A Streptococcus, GAS) in response to changing environmental conditions. It had been found that the mouse transcription factor Max interacted with Mga. Coimmunoprecipitation analysis confirmed that Max and Mga interacted in transfected HEK293 cells. EMSA revealed that Mga required Max for binding to the E-box sequence CACGTG. The isolated T-box of Mga bound the brachyury T-box-binding site in the absence of Max. Mga repressed transcription of a reporter driven from a T-box-binding site, but coexpression of Mga with Max caused transcriptional activation from the T-box-binding site. Expression of Mga with Max, but not Mga alone, activated transcription from a

reporter containing the E-box site.

Application Notes

Optimal dilution of the MGA antibody should be determined by the researcher.

Immunogen

Amino acids QKEAEAFAYYRRTHTANERRRRGEMRDLFEKLKITLGLLH of human MGA were used as the immunogen for the MGA antibody.

Storage

After reconstitution, the MGA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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