

IKK alpha (phospho Ser176/Ser180) antibody

Cat. No. GTX17943

| | |
|--------------|-----------------------------|
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Applications | WB, ICC/IF, FCM, ChIP assay |
| Reactivity | Human |

References (1)

Package

50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB | 1:250 |
| ICC/IF | 1:250 |
| FCM | 1:20 |
| ChIP assay | 10µl |

Not tested in other applications.

Calculated MW 85 kDa. ([Note](#))

| Properties | |
|---------------|--|
| Form | Liquid |
| Buffer | PBS, 0.1% BSA |
| Preservative | 0.05% Sodium azide |
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | Batch dependent (Please refer to the vial label for the specific concentration.) |
| Immunogen | The antiserum was produced against a chemically synthesized phosphopeptide derived from the region of human IKK-alpha that contains serine 176 and serine 180. |
| Purification | Purified IgG |
| Conjugation | Unconjugated |



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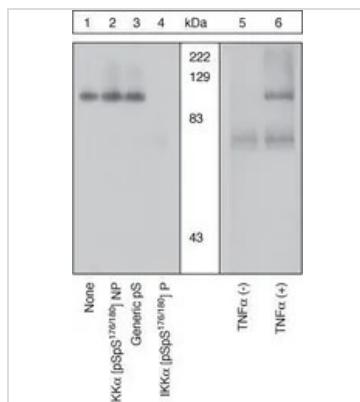
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

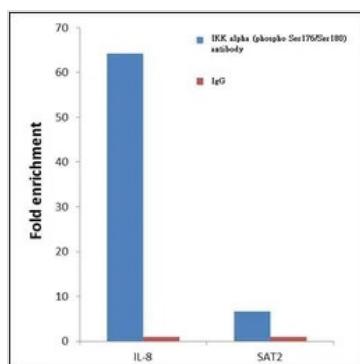


GTX17943 WB Image

WB analysis of Jurkat cells stimulated with TNF-alpha (Lane 1-4, 6) or untreated (Lane 5) using GTX17943 IKK alpha (phospho Ser176/Ser180) antibody.

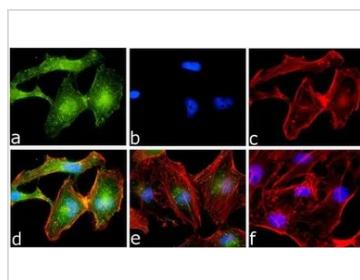
The primary antibody was prior incubated with the non-phosphopeptide corresponding to the immunogen (Lane 2), a generic phosphoserine containing peptide (Lane 3), or the phosphopeptide immunogen (Lane 4)

Dilution : 1:500



GTX17943 ChIP assay Image

ChIP analysis of 2 million HeLa cells treated with 50ng/ml of TNF alpha for one hour using GTX17943 IKK alpha (phospho Ser176/Ser180) antibody. Normal Rabbit IgG was used as a negative IP control. The precipitated DNA was detected by PCR with primer set targeting to the promoter of IL-8 gene and the inactive SAT2 used as negative control target.



GTX17943 ICC/IF Image

ICC/IF analysis of HeLa cells treated for 20 minutes with 50ng/ml of TNF-Alpha using GTX17943 IKK alpha (phospho Ser176/Ser180) antibody. Panel e is untreated cell with no signal. Panel f represents control cells with no primary antibody to assess background.

Fixation : 4% paraformaldehyde

Permeabilization : 0.25% Triton X-100 for 10 minutes

Dilution : 1:250 dilution in 0.1% BSA and incubated for 3 hours at room temperature



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