

AP20824PU-N**Polyclonal Antibody to NFKBIA / IKBA pTyr42 - Aff - Purified****Alternate names:**

I kappa B-alpha, I-kappa-B-alpha, Ikb-alpha, IkappaBalpaha, MAD3, Major histocompatibility complex enhancer-binding protein MAD3, NF-kappa-B inhibitor alpha, NFKBI

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

On the basis of both functional and structural considerations, members of the IkappaB family of proteins can be divided into four groups. The first of these groups, IkappaB-alpha (a 35-37 kDa protein), includes the avian protein pp40 and the mammalian MAD-3, both of which inhibit binding of p50-p65 NFkappaB complex or Rel protein to their cognate binding sites but do not inhibit the binding of p50 homodimer to kappaB sites, suggesting that the IkappaB-alpha family binds to the p65 subunit of p50-p65 heterocomplex through ankyrin repeats. The second member of the IkappaB family is represented by a 45 kDa protein designated IkappaB-beta. The third group of IkappaB proteins is represented by IkappaB-gamma, a 70 kDa protein identical in sequence with the Cterminal domain of the p110 precursor of NFkappaB p50 and expressed predominantly in lymphoid cells.

Uniprot ID:

[P25963](#)

NCBI:

[NP_065390](#)

GenelD:

[4792](#)

Host:

Rabbit

Format:

State: Liquid purified Ig fraction

Purification: Affinity chromatography (> 95% (by SDS-PAGE)

Buffer System: Phosphate buffered saline (PBS), pH 7.2.

Preservatives: 0.05% sodium azide

Applications:

Western blot: 1/500 - 1/1000.

Immunohistochemistry on paraffin sections: 1/50 - 1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight:

~ 36 kDa

Specificity:

This antibody detects endogenous levels of IkappaB-alpha protein only when phosphorylated at Tyr42.

Species Reactivity:

Tested: Human.

Expected from sequence similarity: Mouse and Rat.

Storage:

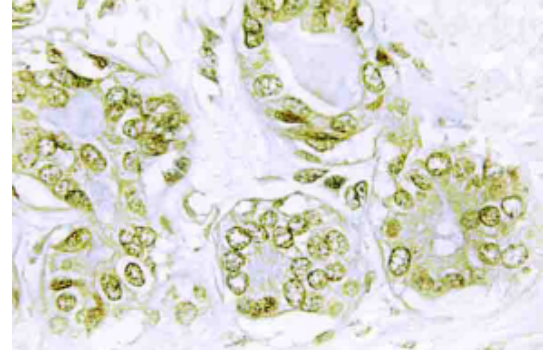
Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Immunohistochemistry (IHC) analyzes of p-IkappaB-alpha antibody (Cat.-No.: AP20824PU-N) in paraffin-embedded human breast carcinoma tissue.



Western blot (WB) analysis of p-IkB-α antibody (Cat.-No.: AP20824PU-N) at 1/500 dilution
Lane1:Jurkat whole cell lysate treated with IL-1Beta
Lane2:H9C2 whole cell lysate treated with LPS
Lane3:RAW264.7 whole cell lysate treated with LPS using p-IkB-α (Y42) pAb (AP20824PU-N)

