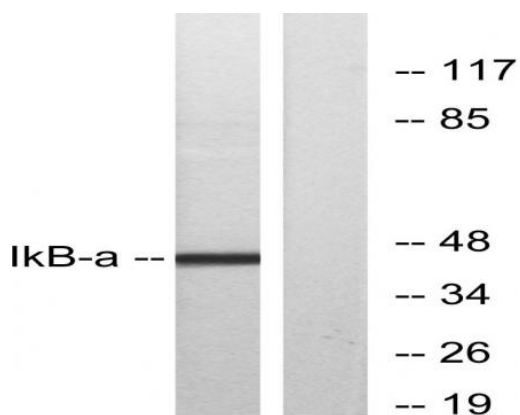
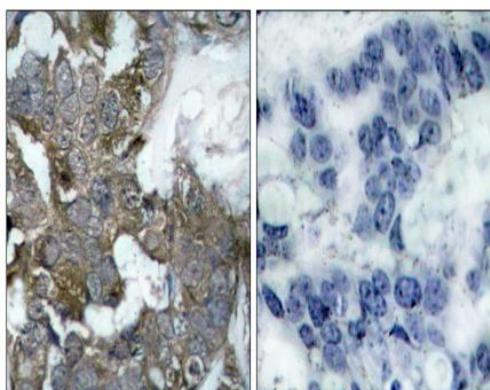


---

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | IκB-α                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cat number:</b>       | AB-10165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Size:</b>             | 100 ug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Clone:</b>            | POLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen:</b>        | The antiserum was produced against synthesized peptide derived from human IκB-α. AA range:15-64                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity:</b>       | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications:</b>     | Western Blot: 1/500 - 1/2000 Immunohistochemistry: 1/100 - 1/300<br>Immunofluorescence: 1/200 - 1/1000                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Weight:</b> | 40kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purification:</b>     | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage:</b>          | Store at -20°C. Avoid repeated freeze-thaw cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Background:</b>       | This gene encodes a member of the NF-κB inhibitor family, which contain multiple ankyrin repeat domains. The encoded protein interacts with REL dimers to inhibit NF-κB/REL complexes which are involved in inflammatory responses. The encoded protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease. |



Western blot analysis of lysates from MCF7 cells, treated with TNF- $\alpha$ , using IkappaB-alpha Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using IkappaB-alpha Antibody. The picture on the right is blocked with the synthesized peptide.