

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 80019-1-RR	<b>GenBank-Zugangsnummer:</b> BC002601	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ul , Konzentration: 500 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 4792	<b>CloneNo.:</b> 5C24
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:10000 IHC 1:50-1:500
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 36 kDa	
<b>Immunogen Katalognummer:</b> AG0345	<b>Beobachtete Masse:</b> 36 kDa and 35 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IHC, WB, ELISA

### Getestete Reaktivität:

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB :** HEK-293-Zellen, Jurkat-Zellen, K-562-Zellen, NIH/3T3-Zellen, Raji-Zellen, RAW 264.7-Zellen

**IHC :** humanes Mammakarzinomgewebe, humanes Prostatakarzinomgewebe

## Hintergrundinformationen

Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (NFKB1A, synonyms: IKBA, MAD-3, NFKB1). NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime. IκB alpha can be observed as a band at 36 kDa in human cell lysates, and 35 kDa in mouse and rat cell lysates.

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern.

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

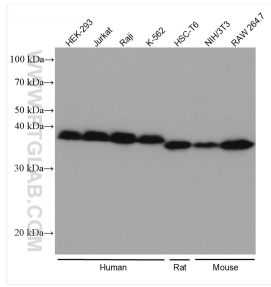
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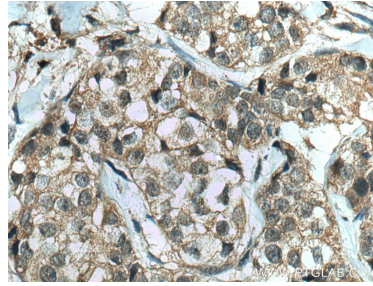
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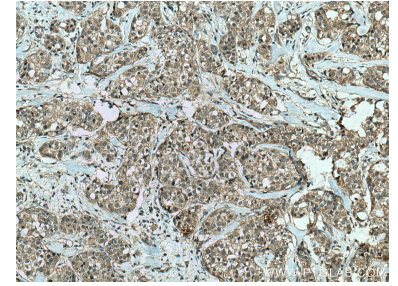
## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 80019-1-RR (1kB alpha antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 80019-1-RR (1kB alpha antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 80019-1-RR (1kB alpha antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).