Data Sheet (Cat.No.TMAC-02115)

Anti-NFKBIA Antibody (1J77)

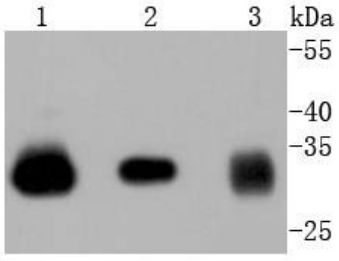
Product Details

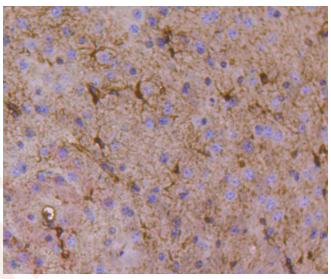
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 34 kDa.
Clone:	1J77
Purification:	ProA affinity purified

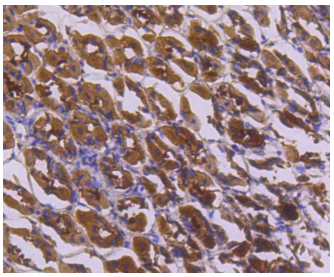
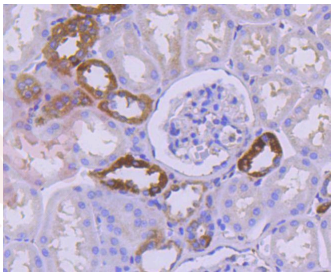
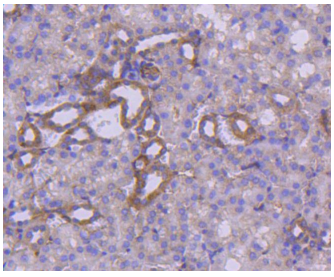
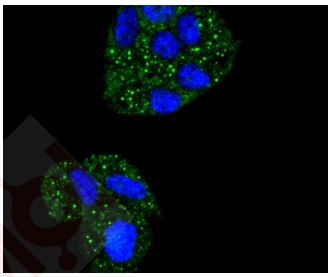
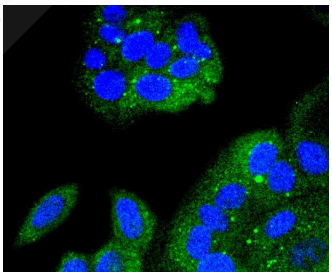
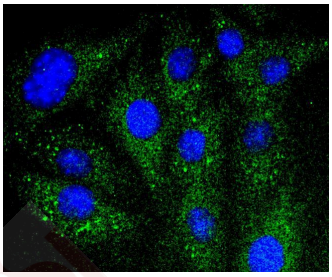
Applications

Verified Activity:

1. Western blot analysis of IKB alpha on different lysates using anti-IKB alpha antibody at 1/1,000 dilution. Positive control: Lane 1: PC-12, Lane 2: NIH/3T3, Lane 3: Hela.
2. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-IKB alpha antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse stomach tissue using anti-IKB alpha antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-IKB alpha antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-IKB alpha antibody. Counter stained with hematoxylin.
6. ICC staining IKB alpha in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining IKB alpha in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining IKB alpha in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC/IF,IHC,IP,WB

Recommended WB: 1:1000-5000; IHC: 1:50-200; ICC/IF: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P25963

Synonyms: nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, α;nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha;NFKBI;IKBA;MAD-3;IkB α; nuclear factor of κ light polypeptide gene enhancer in B-cells inhibitor, alpha

Research Background

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, which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases 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 GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481