

Anti-NFKB1 Antibody (4E617)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 48/105 kDa.
Clone:	4E617
Purification:	Protein A purified

Applications

Verified Activity:	Sample:
	Lane 1: Human MCF-7 cell lysates
	Lane 2: Human Daudi cell lysates
	Lane 3: Human Jurkat cell lysates
	Lane 4: Human HepG2 cell lysates
Primary:	Lane 5: Human HeLa cell lysates
	Anti-NFKB1 (TMAB-09439) at 1/2000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 48/105 kDa
	Observed band size: 102 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Nuclear factor NF-kappa-B p50 subunit
Antigen Species:	Human
Gene ID:	4790
Uniprot ID:	P19838

Research Background

This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this

gene. [provided by RefSeq, Sep 2009].

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