Data Sheet (Cat.No.TMAC-02126)

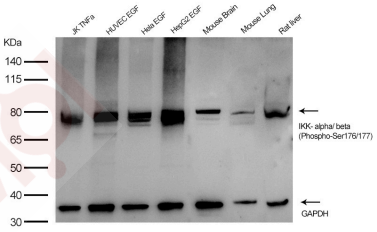
Anti-Phospho-IKBKA/IKBKB (Ser176/177) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 85 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Applications

Verified Activity:	1. All Lanes: IKK-alpha/ beta (Phospho-Ser176/177) Antibody at 1/ 500 dilution. Lane1: Jurkat treated with 20ng/ml TNF-α for 30min Cell lysate, Lane2: Huvec treated with 100ng/ml EGF for 30min Cell lysate, Lane3: Hela treated with 100ng/ml EGF for 30min Cell lysate, Lane4: HepG2 treated with 100ng/ml EGF for 30min Cell lysate, Lane5: Mouse Brain Tissue lysate, Lane6: Mouse lung Tissue lysate, Lane7: Rat Liver Tissue lysateLysates/proteins at 40 μg per lane. Secondary: Goat Anti-Rabbit IgG (HRP) at 1/20000 dilution, Predicted band size: 85kDa, Observed band size: 80kDa.



Application:	ELISA,IF,IHC,WB
Recommended	WB: 1:500-1000

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:	Peptide sequence around phosphorylation site of serine 176/177 (Q-G-S(p)-L-C) derived from Human IKK-alpha/beta
Antigen Species:	Human
Uniprot ID:	O15111 & O14920
Synonyms:	p-IKK- alpha/IKBKB (Ser176/177);IKK- alpha/IKBKB (p-Ser176/177);p-IKK- alpha/IKBKB (S176/177);IKK- alpha/IKBKB (p-S176/177)

Research Background

Acts as part of the IKK complex in the conventional pathway of NF-kappa-B activation and phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. As part of the non-canonical pathway of NF-kappa-B activation, the MAP3K14-activated CHUK/IKKA homodimer phosphorylates NFKB2/p100 associated with RelB, inducing its proteolytic processing to NFKB2/p52 and the formation of NF-kappa-B RelB-p52 complexes. Also phosphorylates NCOA3.