

**IKK $\alpha$ / $\beta$  (phospho Ser180/181) rabbit pAb****Cat#: orb764212 (Manual)**

For research use only. Not intended for diagnostic use.

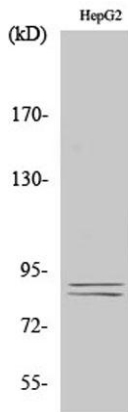
<b>Product Name</b>	IKK $\alpha$ / $\beta$ (phospho Ser180/181) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human IKK-alpha/beta around the phosphorylation site of Ser180/181. AA range:151-200
<b>Specificity</b>	Phospho-IKK $\alpha$ / $\beta$ (S180/181) Polyclonal Antibody detects endogenous levels of IKK $\alpha$ / $\beta$ protein only when phosphorylated at S180/181.
<b>Formulation</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>Protein Name</b>	Inhibitor of nuclear factor kappa-B kinase subunit alpha
<b>Gene Name</b>	CHUK/IKBKB
<b>Cellular localization</b>	Cytoplasm . Nucleus . Shuttles between the cytoplasm and the nucleus.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

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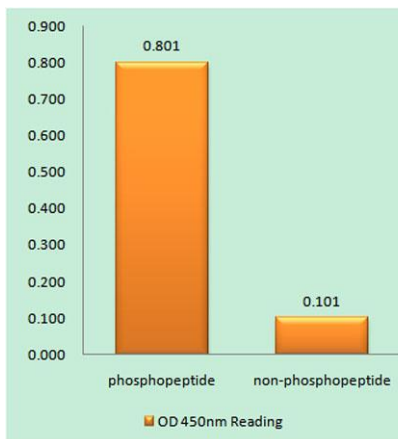
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	85kD
<b>Human Gene ID</b>	1147/3551
<b>Human Swiss-Prot Number</b>	O15111/O14920
<b>Alternative Names</b>	CHUK; IKKA; TCF16; Inhibitor of nuclear factor kappa-B kinase subunit alpha; I-kappa-B kinase alpha; IKK-A; IKK-alpha; IkbKA; IkappaB kinase; Conserved helix-loop-helix ubiquitous kinase; I-kappa-B kinase 1; IKK1; Nuclear factor NF-kappa-B

**Background**

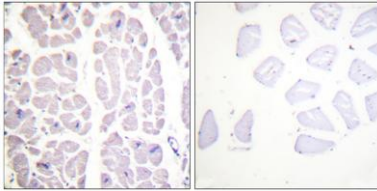
This gene encodes a member of the serine/threonine protein kinase family. The encoded protein, a component of a cytokine-activated protein complex that is an inhibitor of the essential transcription factor NF-kappa-B complex, phosphorylates sites that trigger the degradation of the inhibitor via the ubiquination pathway, thereby activating the transcription factor. [provided by RefSeq, Jul 2008],



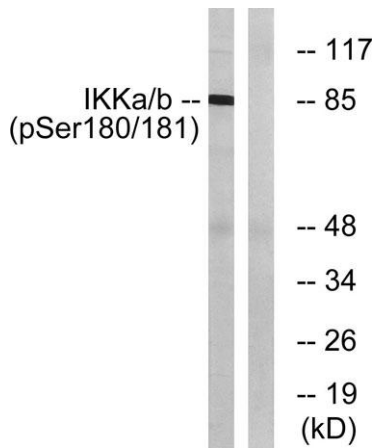
**Western Blot analysis of various cells using Phospho-IKK $\alpha$ / $\beta$  (S180/181) Polyclonal Antibody diluted at 1:1000**



**Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IKK-alpha/beta (Phospho-Ser180/181) Antibody**



Immunohistochemistry analysis of paraffin-embedded human heart, using IKK-alpha/beta (Phospho-Ser180/181) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with TNF 20ng/ml 5', using IKK-alpha/beta (Phospho-Ser180/181) Antibody. The lane on the right is blocked with the phospho peptide.