

## Product datasheet

# Anti-IKK beta antibody ab7611

### 1 References

#### 概述

产品名称	Anti-IKK beta抗体
描述	兔多克隆抗体to IKK beta
特异性	Control peptide (ab 7612) will compete only with the specific reaction of antiserum with the IKKb subunit.
经测试应用	<b>适用于:</b> WB, IP, ELISA, Dot blot
种属反应性	<b>与反应:</b> Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to IKK beta (C terminal) conjugated to Keyhole Limpet Haemocyanin (KLH).
阳性对照	HeLa cell lysate.

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.01% Sodium Azide
纯度	Whole antiserum
纯化说明	This product was prepared from monospecific antiserum by delipidation and defibrination.
克隆	多克隆
同种型	IgG

#### 应用

Our [Abpromise guarantee](#) covers the use of **ab7611** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		
IP		

应用	Ab评论	说明
ELISA		
Dot blot		
<b>应用说明</b>	<p>Dot: Use at an assay dependant dilution.</p> <p>ELISA: Use at an assay dependant dilution.</p> <p>IP: Use at an assay dependant dilution.</p> <p>WB: 1/1000. Detects a band of approximately 87 kDa.</p> <p>Not tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>	
<b>靶标</b>		
<b>功能</b>	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. Also phosphorylates NCOA3.	
<b>组织特异性</b>	Highly expressed in heart, placenta, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis and peripheral blood.	
<b>序列相似性</b>	<p>Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. I-kappa-B kinase subfamily.</p> <p>Contains 1 protein kinase domain.</p>	
<b>翻译后修饰</b>	<p>Upon cytokine stimulation, phosphorylated on Ser-177 and Ser-181 by MEKK1 and/or MAP3K14/NIK; which enhances activity. Once activated, autophosphorylates on the C-terminal serine cluster; which decreases activity and prevents prolonged activation of the inflammatory response.</p> <p>Acetylation of Thr-180 by Yersinia yopJ prevents phosphorylation and activation, thus blocking the I-kappa-B pathway.</p> <p>Ubiquitinated. Monoubiquitination involves TRIM21 that leads to inhibition of Tax-induced NF-kappa-B signaling. According to PubMed:19675099, 'Ser-163' does not serve as a monoubiquitination site. According to PubMed:16267042, ubiquitination on 'Ser-163' modulates phosphorylation on C-terminal serine residues. Monoubiquitination by TRIM21 is disrupted by Yersinia yopJ.</p>	
<b>细胞定位</b>	Cytoplasm. Membrane raft. Colocalized with DPP4 in membrane rafts.	

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