

**Anti-IKB beta (pS23) Antibody**  
**Rabbit polyclonal antibody to IKB beta (pS23)**  
**Catalog # AP59637****Specification**

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**Anti-IKB beta (pS23) Antibody - Product Information**

Application	WB, IF/IC, IHC
Primary Accession	<a href="#">Q15653</a>
Other Accession	<a href="#">Q60778</a>
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37771

**Anti-IKB beta (pS23) Antibody - Additional Information****Gene ID** 4793**Other Names**

IKBB; TRIP9; NF-kappa-B inhibitor beta; NF-kappa-BIB; I-kappa-B-beta; Ikb-B; Ikb-beta; IkappaBbeta; Thyroid receptor-interacting protein 9; TR-interacting protein 9; TRIP-9

**Target/Specificity**

Recognizes endogenous levels of IKB beta (pS23) protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

IF/IC~~N/A

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-IKB beta (pS23) Antibody - Protein Information****Name** NFKBIB**Synonyms** IKBB, TRIP9**Function**

Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further NFKBIA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it

more resistant to degradation, explaining its slower degradation.

**Cellular Location**

Cytoplasm. Nucleus.

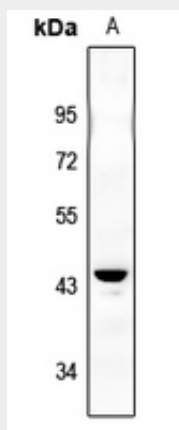
**Tissue Location**

Expressed in all tissues examined.

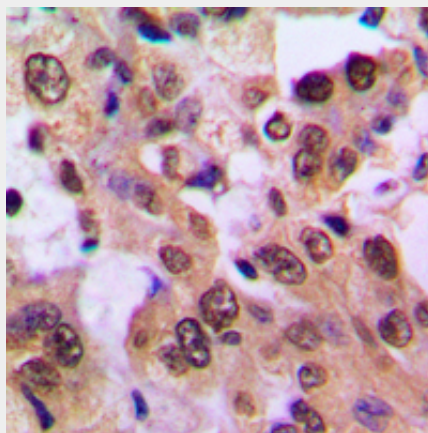
**Anti-IKB beta (pS23) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

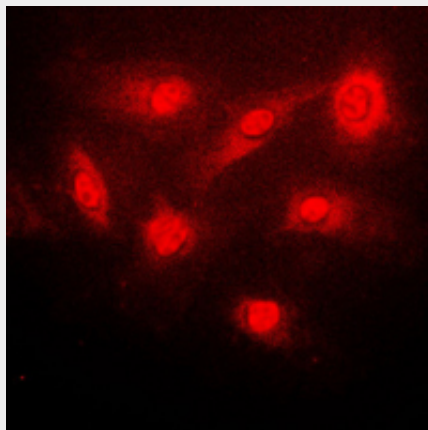
**Anti-IKB beta (pS23) Antibody - Images**

Western blot analysis of IKB beta (pS23) expression in HuT78 (A) whole cell lysates.



Immunohistochemical analysis of IKB beta (pS23) staining in human breast cancer formalin fixed

paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of IKB beta (pS23) staining in PC12 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

#### **Anti- $\text{IKB}$ beta (pS23) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human IKB beta. The exact sequence is proprietary.