

Product datasheet for **AP02417PU-N**

IKK alpha (CHUK) pThr23 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Suitable for use in Western blot (1:500~1:1000) and Immunohistochemistry (1:50~1:100).
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human IKK α around the phosphorylation site of threonine 23 (L-G-TP-G-G).
Specificity:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. IKK α (phospho-Thr23) antibody detects endogenous levels of IKK α only when phosphorylated at threonine 23.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	conserved helix-loop-helix ubiquitous kinase
Database Link:	Entrez Gene 1147 Human O15111



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Background:

Nuclear factor kappa B (NFkB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NFkB mediates the expression of a great variety of genes in response to extracellular stimuli including IL1, TNF alpha, and bacterial product LPS. NFkB is associated with Ikb proteins in the cell cytoplasm, which inhibit NFkB activity. IKK is a serine protein kinase, and the IKK complex contains alpha and beta subunits (IKK alpha and IKK beta). IKK alpha and IKK beta interact with each other and both are essential for NFkB activation. IKK alpha specifically phosphorylates Ikb α . IKK α is expressed in variety of human tissues.

Synonyms:

CHUK, TCF16, I kappa-B kinase alpha, IkbKA, IKK-alpha, IKK-A, I kappa-B kinase, I-kappa-B kinase 1, NFKBIKA, IKK1

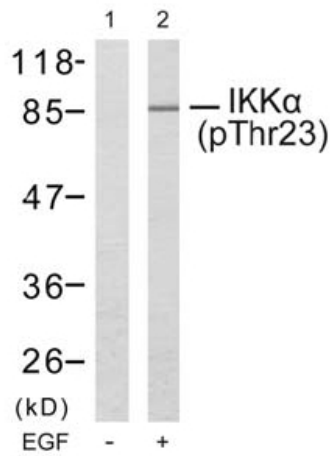
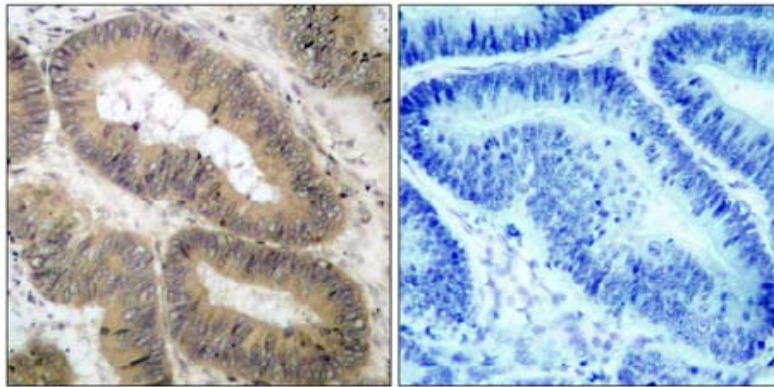
Product images:


Figure 2. Western blot analysis of extracts using IKK α (phospho-Thr23) antibody.



P-Peptide - +

Figure 1. Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue, using IKK α (phospho-Thr23) antibody.