

#11129

IKK α (Phospho-Thr23) Antibody

Catalog: #11129-1 50 μ l **Orders:** order@signalwayantibody.com
#11129-2 100 μ l **Support:** tech@signalwayantibody.com
Storage: Store at -20°C/1 year **Web:** www.signalwayantibody.com



Application	Species Reactivity	Source	Molecular Wt.
WB IHC	Human Mouse Rat	Rabbit Polyconal Ab	85KD

Description: 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 chromatography using non-phosphopeptide.

Specificity: The antibody detects endogenous level of IKK α only when phosphorylated at threonine 23.

Immunogen: Peptide sequence around phosphorylation site of threonine 23 (L-G-T(p)-G-G) derived from Human IKK α .

Formulation: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Synonyms: I kappa-B kinase alpha I-kappa-B kinase 1 IKK-A IKK-alpha IKK1

Accession No.: Swiss-Prot#: O15111 NCBI Gene#: 1147
NCBI Protein#: NP_001269.3

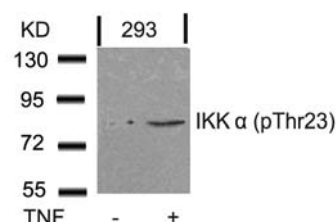
Background: Acts as part of the IKK complex in the conventional pathway of NF-kappa-B activation and phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. As part of the non-canonical pathway of NF-kappa-B 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. Phosphorylates 'Ser-10' of histone H3 at NF-kappa-B-regulated promoters during inflammatory responses triggered by cytokines.

References:

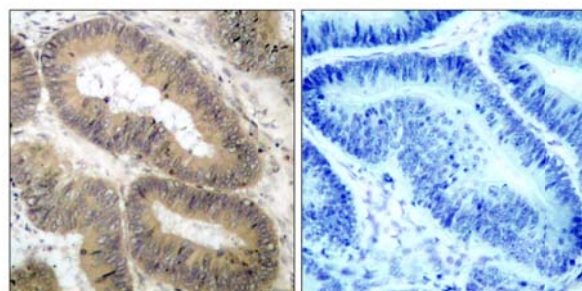
Yuan ZQ, et al.(2002) J Biol Chem; 277(33): 29973-82.
Ozes ON, et al. (1999) Nature; 401(6748): 82-5.

Recommended Dilutions:

Western blotting 1:500~1:1000
Immunohistochemistry 1:50~1:100



Western blot analysis of extracts from 293 cells untreated or treated with TNF using IKK α (Phospho-Thr23) Antibody #11129.



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using IKK α (Phospho-Thr23) Antibody #11129 (left) or the same antibody preincubated with blocking peptide (right).

Citation:

If you publish research using #11129 please [let us know](#).

Related Pathway: NF-kappa B, Akt, Cancer/Apoptosis, Kinase/Phosphatases

Note: For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

This product is for in vitro research use only and is not intended for use in humans or animals.