

Ikk**a** (Ab-23) Antibody



Catalog Number: 21123-1, 21123-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No.: 015111

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from human Ikkα around the phosphorylation site of threonine 23 (L-G-T^P-G-G)

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

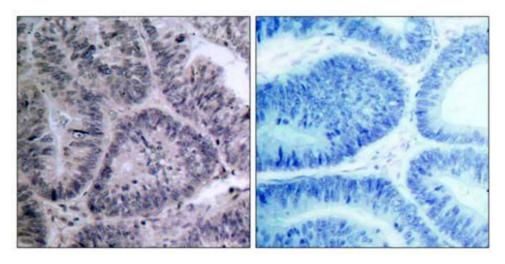
Specificity/Sensitivity: IKK a (Ab-23) antibody detects endogenous levels of total IKK a protein

Reactivity: Human, Mouse, Rat

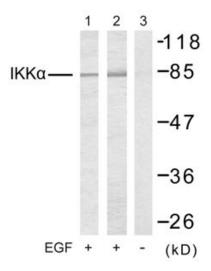
Applications:

Predicted MW: 85kd

WB: 1:500~1:1000 IHC: 1:50~1:100



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Ikkα (Ab-23) antibody (#21123).



Western blot analysis of extracts from 293 cells (Lane 1) and MDA-MB-435 cells (Lane 2 and 3), untreated or treated with EGF, using IKK α (Ab-23) antibody (#21123).

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.