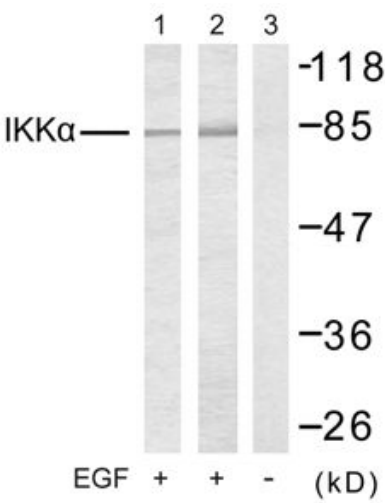


#21123

Peptide

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:

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Ozes ON, et al. (1999) Nature; 401(6748): 82-5.