



NFkB P100/P52 (Phospho-Ser870) Antibody

#11016

Catalog Number: 11016-1, 11016-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : Q00653

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 phosphopeptide derived from human NF-κB p100/p52 around the phosphorylation site of serine 870 (Y-G-Sp-Q-S).

Purification: 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.

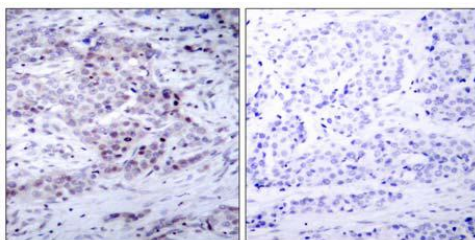
Specificity/Sensitivity: NF-κB p100/p52 (phospho-Ser870) antibody detects endogenous levels of NF-κB p100/p52 only when phosphorylated at serine 870.

Reactivity: Human, Mouse, Rat

Applications:

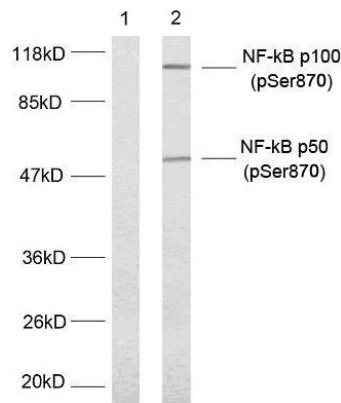
Predicted MW: 100kd

IHC: 1:50~1:100 WB: 1:500~1:1000 IF: 1:100~1:200



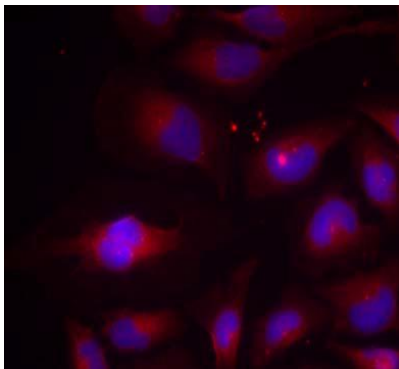
P-Peptide - +

Immunohistochemical analysis of paraffin- embedded human breast carcinoma tissue, using NF- κ B p100/p52 (Phospho-Ser870) antibody (#11016).



TNF- α - +

Western blot analysis of extract from MDA-MB-435 cells untreated or treated with TNF- α (20ng/ml, 5min) using NF- κ B p100/p52 (phospho-Ser870) antibody (#11016).



Immunofluorescence staining of methanol-fixed HeLa cells using NF- κ B p100/p52 (phospho-Ser870) antibody (#11016, Red).

Background :

NF κ B-p100 a transcription factor of the nuclear factor-kappaB (NF κ B) group. Precursor of the p52 subunit of the nuclear factor NF-kappa-B, which binds to the kappa-B consensus sequence 5'-GGRNYYCC-3', located in the enhancer region of genes involved in immune response and acute phase reactions.

References:

- Qu Z, et al. (2004) J Biol Chem; 279(43): 44563-72.
Xiao G, et al. (2001) J Biol Chem 7(2): 401-9.