

## Product datasheet for **AP02785PU-S**

### **NFκB p100 / p52 (NFκB2) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50 - 1/100. <b>Immunofluorescence:</b> 1/100 - 1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human NFκB-p100/p52 around the phosphorylation site of serine 871 (S-Q-SP-V-E).
Specificity:	NFκB-p100/p52 antibody detects endogenous levels of total NFκB-p100/p52 protein.
Formulation:	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4 containing 150mM NaCl, 0.02% sodium azide and 50% glycerol. State: Aff - Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	nuclear factor kappa B subunit 2
Database Link:	<a href="#">Entrez Gene 4791 Human Q00653</a>



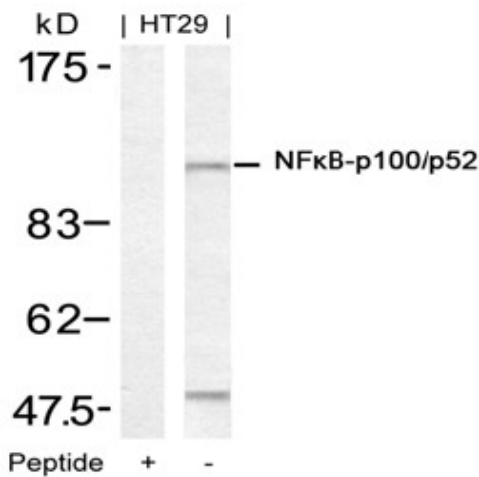
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**Background:**

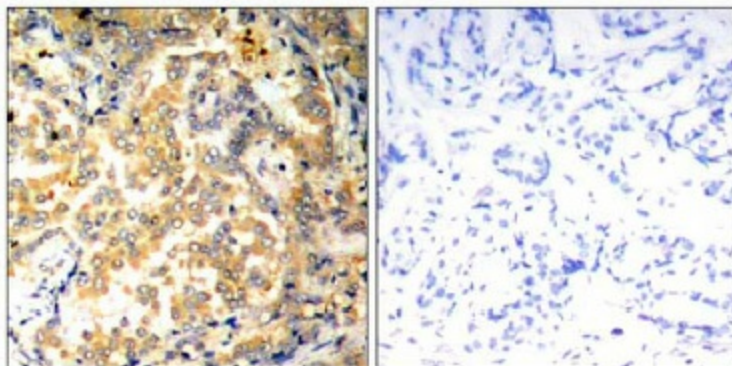
NFκB is formed through the association of multiple subunits, either as a homodimer or heterodimer. Subunits have been identified as p50 (NFκB1), p65 (RelA), c-Rel, RelB and p52 (NFκB2). The classic NFκB form exists as a p50-p65 heterodimer and predominates in many cell types. Many of the possible combinatorial forms of homo- and heterodimers have been identified and growing evidence indicates that different forms of NFκB have different functions in cells. Interestingly, both the p50 and p52 subunits are derived from the precursor proteins p105 and p100 respectively, that each contain multiple copies of the so called ankyrin repeat at their C termini. Nuclear translocation of NFκB is confirmed by the use of electrophoretic mobility shift assays or by immunoblotting with nuclear extracts. The subunit composition of NFκB is confirmed by the use of antibodies that "supershift" the DNA/protein complex.

**Synonyms:**

LYT10, KBF2, H2TF1, NF-κB p100, NF-κB p52, NF kappa B

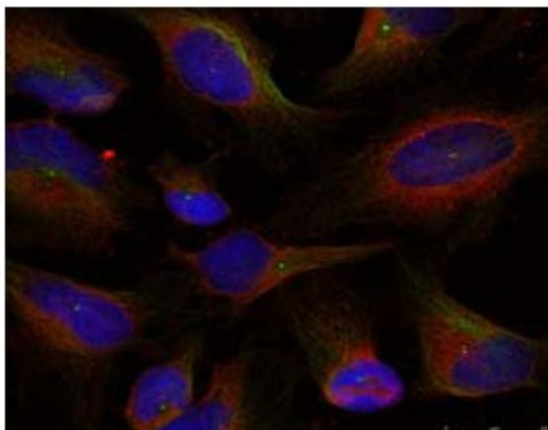
**Product images:**


Western blot analysis of extracts from HT29 cells using NFκB-p100/p52 antibody and the same antibody preincubated with blocking peptide.



Peptide - +

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using NFκB-p100/p52 antibody.



Immunofluorescence staining of methanol-fixed HeLa cells using NFkappaB-p100/p52 antibody