

NFkB p65 Polyclonal Antibody

Product Details	
Size	500 µL
Species Reactivity	Hamster, Human, Mouse, Pig, Rabbit, Rat, Xenopus, Bovine, Dog, Fruit fly
Published Species	Rabbit, Rat, Bovine, Zebrafish, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide from the C-terminus of human NFkappaB protein
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_10981081

Applications	Tested Dilution	Publications
Western Blot (WB)	5-10 µg/mL	14 Publications
Immunohistochemistry (IHC)	-	17 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100	2 Publications
Immunocytochemistry (ICC/IF)	1:50-1:200	11 Publications
ChIP assay (ChIP)	-	1 Publication

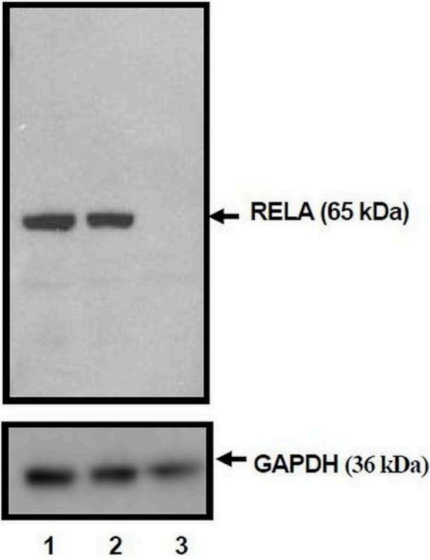
Product Specific Information

PA5-16545 targets NFkappaB/p65 in IHC (P), IF, and WB applications and shows reactivity with mouse, Rabbit, Rat, Xn, Bovine, Canine, Drosophila, Hamster, Human, and Porcine samples.

The PA5-16545 immunogen is a synthetic peptide from the C-terminus of human NFkappaB protein.

This antibody was originally validated as part of a Thermo Scientific Cellomics High Content Screening Kit. The antibody sold separately may have slightly different performance and may need to be further optimized for the best results.

Product Images For NFkB p65 Polyclonal Antibody

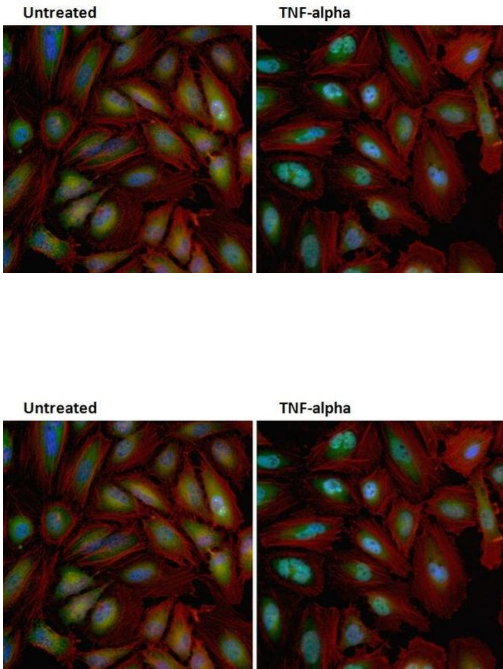


NFkB p65 Antibody (PA5-16545)

The specificity of anti-RelA polyclonal antibody (Product # PA5-16545) was demonstrated by siRNA knockdown. Western blot analysis of A549 cell extracts using this antibody showed decreased level of RelA protein expression in cells transfected with RelA specific siRNA (lane 3) but not in controls (lane 1 and 2). {KD}

NFkB p65 Antibody (PA5-16545) in ICC/IF

Immunofluorescent analysis of NFkappaB/p65 (green) in HeLa cells either left untreated (left panel) or treated with 25 ng/mL of TNF-alpha (right panel) for 25 minutes. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a NFkappaB /p65 polyclonal antibody (Product # PA5-16545) at a dilution of 1:50 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 goat anti-rabbit IgG secondary antibody (Product # 35552) at a dilution of 1:400 for 30 minutes at room temperature. F-Actin (red) was stained with DyLight 554 Phalloidin (Product # 21834) and nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan or ToxInsight Instrument at 20X magnification.



NFkB p65 Antibody (PA5-16545)

The specificity of anti-anti-RELA polyclonal antibody (Product # PA5-16545) was demonstrated by the immunofluorescence detection of increased accumulation of RELA in the nucleus in HeLa cells upon TNF-alpha treatment (right panel) compared to untreated cells (left panel). {TM}

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Western Blot (14)

<p>Drug development research</p> <p>Kukoamine A inhibits C-C motif chemokine receptor 5 to attenuate lipopolysaccharide-induced lung injury.</p> <p>"Published figure using NFkB p65 polyclonal antibody (Product # PA5-16545) in Western Blot"</p> <p>Authors: Liu X,Wang M,Song Y,Zhang C,Jiang Y,Li W,Xu B,Jiang Z</p>	<p>Year 2022</p> <p>Species Mouse</p> <p>Dilution 1:200</p>
<p>Arthritis research & therapy</p> <p>Targeting clock-controlled gene Nrf2 ameliorates inflammation-induced intervertebral disc degeneration.</p> <p>"PA5-16545 was used in Western Blot, Immunohistochemistry to induce intervertebral disc degeneration and found that the Intervertebral disc clock was dampened in degenerated human nucleus pulposus specimens, rat nucleus pulposus tissues, and cells."</p> <p>Authors: Peng P,Wang D,Xu X,Wang D,Gao B,Wang H,Jia H,Shang Q,Zheng C,Gao C,Mao J,Luo Z,Yang L,Hu X</p>	<p>Year 2022</p> <p>Species Rat</p> <p>Dilution 1:1000</p>

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Immunohistochemistry (17)

<p>Arthritis research & therapy</p> <p>Targeting clock-controlled gene Nrf2 ameliorates inflammation-induced intervertebral disc degeneration.</p> <p>"PA5-16545 was used in Western Blot, Immunohistochemistry to induce intervertebral disc degeneration and found that the Intervertebral disc clock was dampened in degenerated human nucleus pulposus specimens, rat nucleus pulposus tissues, and cells."</p> <p>Authors: Peng P,Wang D,Xu X,Wang D,Gao B,Wang H,Jia H,Shang Q,Zheng C,Gao C,Mao J,Luo Z,Yang L,Hu X</p>	<p>Year 2022</p> <p>Species Rat</p> <p>Dilution 1:1000</p>
<p>Journal of biochemical and molecular toxicology</p> <p>Beneficial effect of trimetazidine on folic acid-induced acute kidney injury in mice: Role of HIF-1/HO-1.</p> <p>"PA5-16545 was used in Immunohistochemistry-immunofluorescence to investigate the impact of trimetazidine (a metabolic modulator-antianginal drug), against folic acid-induced acute kidney injury."</p> <p>Authors: Abdelrahman RS,Abdelsalam RA,Zaghloul MS</p>	<p>Year 2022</p> <p>Species Mouse</p>

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More applications with references on thermofisher.com

- IHC (P) (2)
- ICC/IF (11)
- ChIP (1)

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